

# QuantiNova® LNA® PCR Focus Panels (Rotor-Gene® Format)

## Rat AMPK Signaling

Cat. no. 249950 SBRN-175ZR

For study focus gene expression analysis

### Shipping and storage

QuantiNova LNA PCR Focus Panels are shipped at ambient temperature. Immediately upon receipt, they should be stored at 2–8°C for short term storage or at –30°C to –15°C for long time storage. Under these conditions, all components are stable for at least 12 months.

**Note:** Open the package and store the products appropriately immediately upon receipt.

For optimal performance, QuantiNova LNA PCR Focus Panels should be used together with the QuantiNova Reverse Transcription Kit for cDNA synthesis and the QuantiNova SYBR® Green PCR Kit (Mastermix) for PCR.

### Panel layout (Rotor-Gene): QuantiNova LNA PCR Focus Panel

The 96 real-time assays in the Rotor-Gene format are located in wells 1–96 of the Rotor-Disc® (plate A1–A12=Rotor-Disc 1–12, plate B1–B12=Rotor-Disc 13–24, etc.). To maintain data analysis compatibility, wells 97–100 do not contain real-time assays but will contain master mix to account for weight balance. Refer to the QuantiNova LNA PCR System Handbook at [www.qiagen.com](http://www.qiagen.com) for further details.

|          | 1                | 2                | 3        | 4        | 5                | 6        | 7       | 8       | 9       | 10      | 11                 | 12     |
|----------|------------------|------------------|----------|----------|------------------|----------|---------|---------|---------|---------|--------------------|--------|
| <b>A</b> | Acaca            | Acacb            | Adipor1  | Adipor2  | Adra1a           | Adra1b   | Adra1d  | Adra2a  | Adra2b  | Adra2c  | AABR0705145<br>0.1 | Ak2    |
| <b>B</b> | Akt3             | Akt1             | Akt2     | Akt3     | Atg13            | Cab39    | Camkk1  | Camkk2  | Chrn1   | Chrn1   | Cpt1a              | Cpt1b  |
| <b>C</b> | Cpt1c            | Cpt2             | Crit2    | Cry1     | Eef2k            | Eif4ebp1 | Elavl1  | Fasn    | Foxo3   | Gpam    | Gpat2              | Gys1   |
| <b>D</b> | Gys2             | Hmgcr            | Hnf4a    | Insr     | Lepr             | Lipe     | Mlycd   | Mtor    | Pdk1    | Pikfb1  | Pikfb2             | Pikfb3 |
| <b>E</b> | LOC1009117<br>25 | LOC1009116<br>15 | Ppargc1a | Ppargc1b | LOC1036949<br>03 | Ppp2cb   | Ppp2r1a | Ppp2r1b | Ppp2r2b | Ptpa    | Prkaa1             | Prkaa2 |
| <b>F</b> | Prkab1           | Prkab2           | Prkaa    | Prkacb   | Km1d             | Prkag2   | Prkag3  | Prkar1a | Prkar1b | Prkar2a | Prkar2b            | Rb1cc1 |
| <b>G</b> | Rps6kb1          | Rps6kb2          | Rptor    | Slc2a4   | Sreb1            | Stk11    | Strada  | Stradb  | Tp53    | Tsc1    | Tsc2               | Ulk1   |
| <b>H</b> | Actb             | B2m              | Hprt1    | Ldha     | Rplp1            | RGDC     | QIC     | QIC     | QIC     | QIC     | PPC                | PPC    |

## Gene table: QuantiNova LNA PCR Focus Panel

| Position | Assay      | Name                 | Symbol         | Ensembl ID        | Description                                                                                |
|----------|------------|----------------------|----------------|-------------------|--------------------------------------------------------------------------------------------|
| A01      | SBR1187866 | ENSRNOT00000088138.1 | Acaca          | ENSRNOG0000034013 | acetyl-CoA carboxylase alpha Source RGD Symbol Acc 621248                                  |
| A02      | SBR1144863 | ENSRNOT00000000821.6 | Acacb          | ENSRNOG0000000658 | acetyl-CoA carboxylase beta Source RGD Symbol Acc 620500                                   |
| A03      | SBR1163886 | ENSRNOT00000005551.4 | Adipor1        | ENSRNOG0000004143 | adiponectin receptor 1 Source RGD Symbol Acc 1303151                                       |
| A04      | SBR1107135 | ENSRNOT00000010556.5 | Adipor2        | ENSRNOG0000007990 | adiponectin receptor 2 Source RGD Symbol Acc 1307891                                       |
| A05      | SBR1152290 | ENSRNOT00000012736.3 | Adra1a         | ENSRNOG0000009522 | adrenoceptor alpha 1A Source RGD Symbol Acc 2055                                           |
| A06      | SBR1213334 | ENSRNOT00000087937.1 | Adra1b         | ENSRNOG0000060087 | adrenoceptor alpha 1B Source RGD Symbol Acc 2054                                           |
| A07      | SBR1115374 | ENSRNOT00000028877.2 | Adra1d         | ENSRNOG0000021256 | adrenoceptor alpha 1D Source RGD Symbol Acc 62064                                          |
| A08      | SBR1152272 | ENSRNOT00000071541.1 | Adra2a         | ENSRNOG0000047545 | adrenoceptor alpha 2A Source RGD Symbol Acc 2056                                           |
| A09      | SBR1108893 | ENSRNOT00000018584.6 | Adra2b         | ENSRNOG0000013887 | adrenoceptor alpha 2B Source RGD Symbol Acc 2057                                           |
| A10      | SBR1174261 | ENSRNOT00000012322.3 | Adra2c         | ENSRNOG0000009299 | adrenoceptor alpha 2C Source RGD Symbol Acc 2058                                           |
| A11      | SBR1178323 | ENSRNOT00000091048.1 | AABR07051450.1 | ENSRNOG0000049056 |                                                                                            |
| A12      | SBR1190946 | ENSRNOT00000000134.4 | Ak2            | ENSRNOG0000000122 | adenylate kinase 2 Source RGD Symbol Acc 2077                                              |
| B01      | SBR1208995 | ENSRNOT00000079875.1 | Ak3            | ENSRNOG0000052506 | adenylate kinase 3 Source RGD Symbol Acc 619885                                            |
| B02      | SBR1163078 | ENSRNOT00000031164.3 | Akt1           | ENSRNOG0000028629 | AKT serine/threonine kinase 1 Source RGD Symbol Acc 2081                                   |
| B03      | SBR1190995 | ENSRNOT00000025303.3 | Akt2           | ENSRNOG0000018677 | AKT serine/threonine kinase 2 Source RGD Symbol Acc 2082                                   |
| B04      | SBR1132835 | ENSRNOT00000085648.1 | Akt3           | ENSRNOG0000021497 | AKT serine/threonine kinase 3 Source RGD Symbol Acc 62390                                  |
| B05      | SBR1193202 | ENSRNOT00000022841.7 | Atg13          | ENSRNOG0000016984 | autophagy related 13 Source RGD Symbol Acc 1310685                                         |
| B06      | SBR1126334 | ENSRNOT00000085332.1 | Cab39          | ENSRNOG0000017297 | calcium binding protein 39 Source RGD Symbol Acc 1306390                                   |
| B07      | SBR1191275 | ENSRNOT00000025009.6 | Camkk1         | ENSRNOG0000018242 | calcium/calmodulin-dependent protein kinase kinase 1 Source RGD Symbol Acc 62023           |
| B08      | SBR1142607 | ENSRNOT00000001774.6 | Camkk2         | ENSRNOG0000001309 | calcium/calmodulin-dependent protein kinase kinase 2 Source RGD Symbol Acc 620092          |
| B09      | SBR1172409 | ENSRNOT00000024706.4 | Chrna1         | ENSRNOG0000018286 | cholinergic receptor nicotinic alpha 1 subunit Source RGD Symbol Acc 69277                 |
| B10      | SBR1102103 | ENSRNOT00000019947.3 | Chrn1          | ENSRNOG0000014698 | cholinergic receptor nicotinic beta 1 subunit Source RGD Symbol Acc 2349                   |
| B11      | SBR1143879 | ENSRNOT00000019652.3 | Cpt1a          | ENSRNOG0000014254 | carnitine palmitoyltransferase 1A Source RGD Symbol Acc 2396                               |
| B12      | SBR1162370 | ENSRNOT00000013985.3 | Cpt1b          | ENSRNOG0000010438 | carnitine palmitoyltransferase 1B Source RGD Symbol Acc 2397                               |
| C01      | SBR1096054 | ENSRNOT00000035908.4 | Cpt1c          | ENSRNOG0000026163 | carnitine palmitoyltransferase 1c Source RGD Symbol Acc 1305384                            |
| C02      | SBR1129520 | ENSRNOT00000016954.3 | Cpt2           | ENSRNOG0000012443 | carnitine palmitoyltransferase 2 Source RGD Symbol Acc 2398                                |
| C03      | SBR1198878 | ENSRNOT00000092144.1 | Crtc2          | ENSRNOG0000056337 | CREB regulated transcription coactivator 2 Source RGD Symbol Acc 1308903                   |
| C04      | SBR1146612 | ENSRNOT00000009124.5 | Cry1           | ENSRNOG0000006622 | cryptochrome circadian regulator 1 Source RGD Symbol Acc 735083                            |
| C05      | SBR1110324 | ENSRNOT00000022726.5 | Eef2k          | ENSRNOG0000016448 | eukaryotic elongation factor-2 kinase Source RGD Symbol Acc 2538                           |
| C06      | SBR1186274 | ENSRNOT00000016885.5 | Eif4ebp1       | ENSRNOG0000012582 | eukaryotic translation initiation factor 4E binding protein 1 Source RGD Symbol Acc 620259 |
| C07      | SBR1103825 | ENSRNOT00000001415.6 | Elavl1         | ENSRNOG0000001069 | ELAV like RNA binding protein 1 Source RGD Symbol Acc 1308649                              |
| C08      | SBR1216475 | ENSRNOT00000073321.2 | Fasn           | ENSRNOG0000045636 | fatty acid synthase Source RGD Symbol Acc 620665                                           |
| C09      | SBR1161322 | ENSRNOT00000000327.5 | Foxo3          | ENSRNOG0000000299 | forkhead box O3 Source RGD Symbol Acc 1309196                                              |
| C10      | SBR1166588 | ENSRNOT00000083215.1 | Gpam           | ENSRNOG0000015124 | glycerol-3-phosphate acyltransferase, mitochondrial Source RGD Symbol Acc 61847            |
|          |            | ENSRNOT000000        |                | ENSRNOG00         | glycerol-3-phosphate acyltransferase 2, mitochondrial Source RGD Symbol Acc                |

| Position | Assay      | Name                     | Symbol           | Ensembl ID             | Description                                                                                           |
|----------|------------|--------------------------|------------------|------------------------|-------------------------------------------------------------------------------------------------------|
| C11      | SBR1108729 | 018677.6                 | Gpat2            | 000013906              | 1304904                                                                                               |
| C12      | SBR1135273 | ENSRNOT00000<br>028271.3 | Gys1             | ENSRNOG00<br>000020812 | glycogen synthase 1 Source RGD Symbol Acc 1589798                                                     |
| D01      | SBR1115079 | ENSRNOT00000<br>090122.1 | Gys2             | ENSRNOG00<br>000059753 | glycogen synthase 2 Source RGD Symbol Acc 2773                                                        |
| D02      | SBR1198292 | ENSRNOT00000<br>022055.4 | Hmgcr            | ENSRNOG00<br>000016122 | 3-hydroxy-3-methylglutaryl-CoA reductase Source RGD Symbol Acc 2803                                   |
| D03      | SBR1193762 | ENSRNOT00000<br>089893.1 | Hnf4a            | ENSRNOG00<br>000008895 | hepatocyte nuclear factor 4, alpha Source RGD Symbol Acc 2810                                         |
| D04      | SBR1131460 | ENSRNOT00000<br>041155.3 | Insr             | ENSRNOG00<br>000029986 | insulin receptor Source RGD Symbol Acc 2917                                                           |
| D05      | SBR1152097 | ENSRNOT00000<br>093574.1 | Lepr             | ENSRNOG00<br>000023664 | leptin receptor Source RGD Symbol Acc 3001                                                            |
| D06      | SBR1104445 | ENSRNOT00000<br>027910.2 | Lipe             | ENSRNOG00<br>000020546 | lipase E, hormone sensitive type Source RGD Symbol Acc 3010                                           |
| D07      | SBR1180185 | ENSRNOT00000<br>019923.5 | Mlycd            | ENSRNOG00<br>000014522 | malonyl-CoA decarboxylase Source RGD Symbol Acc 620234                                                |
| D08      | SBR1220576 | ENSRNOT00000<br>014167.7 | Mtor             | ENSRNOG00<br>000009615 | mechanistic target of rapamycin kinase Source RGD Symbol Acc 68371                                    |
| D09      | SBR1133385 | ENSRNOT00000<br>067660.1 | Pdpk1            | ENSRNOG00<br>000006136 | 3-phosphoinositide dependent protein kinase-1 Source RGD Symbol Acc 620307                            |
| D10      | SBR1129063 | ENSRNOT00000<br>033656.2 | Pfkfb1           | ENSRNOG00<br>000000165 | 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1 Source RGD Symbol Acc 3307                      |
| D11      | SBR1142182 | ENSRNOT00000<br>050859.4 | Pfkfb2           | ENSRNOG00<br>000004162 | 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2 Source RGD Symbol Acc 3309                      |
| D12      | SBR1213757 | ENSRNOT00000<br>051067.4 | Pfkfb3           | ENSRNOG00<br>000018911 | 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3 Source RGD Symbol Acc 619776                    |
| E01      | SBR1152891 | ENSRNOT00000<br>091573.1 | LOC10091<br>1725 | ENSRNOG00<br>000020656 | 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4-like Source RGD Symbol Acc 6491338             |
| E02      | SBR1103494 | ENSRNOT00000<br>025319.6 | LOC10091<br>1615 | ENSRNOG00<br>000018736 | patatin-like phospholipase domain-containing protein 2-like Source RGD Symbol Acc 6492173             |
| E03      | SBR1191958 | ENSRNOT00000<br>006071.5 | Ppargc1a         | ENSRNOG00<br>000004473 | PPARG coactivator 1 alpha Source RGD Symbol Acc 620925                                                |
| E04      | SBR1109181 | ENSRNOT00000<br>066048.3 | Ppargc1b         | ENSRNOG00<br>000017503 | PPARG coactivator 1 beta Source RGD Symbol Acc 727948                                                 |
| E05      | SBR1176421 | ENSRNOT00000<br>007621.5 | LOC10369<br>4903 | ENSRNOG00<br>000005389 | serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform Source RGD Symbol Acc 9257421 |
| E06      | SBR1147274 | ENSRNOT00000<br>020663.3 | Ppp2cb           | ENSRNOG00<br>000015182 | protein phosphatase 2 catalytic subunit beta Source RGD Symbol Acc 3381                               |
| E07      | SBR1130966 | ENSRNOT00000<br>015019.6 | Ppp2r1a          | ENSRNOG00<br>000011282 | protein phosphatase 2 scaffold subunit A alpha Source RGD Symbol Acc 620907                           |
| E08      | SBR1163483 | ENSRNOT00000<br>064290.2 | Ppp2r1b          | ENSRNOG00<br>000010922 | protein phosphatase 2 scaffold subunit A beta Source RGD Symbol Acc 1304764                           |
| E09      | SBR1117650 | ENSRNOT00000<br>041188.4 | Ppp2r2b          | ENSRNOG00<br>000018851 | protein phosphatase 2, regulatory subunit B, beta Source RGD Symbol Acc 631441                        |
| E10      | SBR1174361 | ENSRNOT00000<br>024914.5 | Ptpa             | ENSRNOG00<br>000018457 | protein phosphatase 2 phosphatase activator Source RGD Symbol Acc 1308354                             |
| E11      | SBR1120460 | ENSRNOT00000<br>017626.5 | Prkaa1           | ENSRNOG00<br>000012799 | protein kinase AMP-activated catalytic subunit alpha 1 Source RGD Symbol Acc 3387                     |
| E12      | SBR1166352 | ENSRNOT00000<br>010680.3 | Prkaa2           | ENSRNOG00<br>000007706 | protein kinase AMP-activated catalytic subunit alpha 2 Source RGD Symbol Acc 620893                   |
| F01      | SBR1162563 | ENSRNOT00000<br>001508.3 | Prkab1           | ENSRNOG00<br>000001142 | protein kinase AMP-activated non-catalytic subunit beta 1 Source RGD Symbol Acc 71057                 |
| F02      | SBR1188517 | ENSRNOT00000<br>063783.2 | Prkab2           | ENSRNOG00<br>000018166 | protein kinase AMP-activated non-catalytic subunit beta 2 Source RGD Symbol Acc 620905                |
| F03      | SBR1139916 | ENSRNOT00000<br>041717.4 | Prkaca           | ENSRNOG00<br>000005257 | protein kinase cAMP-activated catalytic subunit alpha Source RGD Symbol Acc 3389                      |
| F04      | SBR1138043 | ENSRNOT00000<br>068739.1 | Prkacb           | ENSRNOG00<br>000004978 | protein kinase cAMP-activated catalytic subunit beta Source RGD Symbol Acc 1310574                    |
| F05      | SBR1161274 | ENSRNOT00000<br>083354.1 | Kmt2d            | ENSRNOG00<br>000061499 | protein kinase AMP-activated non-catalytic subunit gamma 1 Source RGD Symbol Acc 3388                 |
| F06      | SBR1175590 | ENSRNOT00000<br>067183.3 | Prkag2           | ENSRNOG00<br>000009085 | protein kinase AMP-activated non-catalytic subunit gamma 2 Source RGD Symbol Acc 727782               |
| F07      | SBR1122356 | ENSRNOT00000<br>023365.5 | Prkag3           | ENSRNOG00<br>000017248 | protein kinase AMP-activated non-catalytic subunit gamma 3 Source RGD Symbol Acc 1308698              |
| F08      | SBR1206152 | ENSRNOT00000<br>071153.1 | Prkar1a          | ENSRNOG00<br>000049876 | protein kinase cAMP-dependent type 1 regulatory subunit alpha Source RGD Symbol Acc 3391              |
| F09      | SBR1117750 | ENSRNOT00000<br>031896.6 | Prkar1b          | ENSRNOG00<br>000028733 | protein kinase cAMP-dependent type 1 regulatory subunit beta Source RGD Symbol Acc 3392               |
| F10      | SBR1102023 | ENSRNOT00000<br>088705.1 | Prkar2a          | ENSRNOG00<br>000020284 | protein kinase cAMP-dependent type 2 regulatory subunit alpha Source RGD Symbol Acc 3393              |

| Position | Assay      | Name                 | Symbol  | Ensembl ID        | Description                                                                             |
|----------|------------|----------------------|---------|-------------------|-----------------------------------------------------------------------------------------|
| F11      | SBR1158183 | ENSRNOT00000082985.1 | Prkar2b | ENSRNOG0000009079 | protein kinase cAMP-dependent type 2 regulatory subunit beta Source RGD Symbol Acc 3394 |
| F12      | SBR1162178 | ENSRNOT00000061884.2 | Rb1cc1  | ENSRNOG0000006833 | RB1-inducible coiled-coil 1 Source RGD Symbol Acc 1309346                               |
| G01      | SBR1105085 | ENSRNOT0000005226.4  | Rps6kb1 | ENSRNOG0000003919 | ribosomal protein S6 kinase B1 Source RGD Symbol Acc 620683                             |
| G02      | SBR1133483 | ENSRNOT00000029580.5 | Rps6kb2 | ENSRNOG0000021689 | ribosomal protein S6 kinase B2 Source RGD Symbol Acc 1305144                            |
| G03      | SBR1160593 | ENSRNOT00000005337.6 | Rptor   | ENSRNOG0000003821 | regulatory associated protein of MTOR, complex 1 Source RGD Symbol Acc 1311784          |
| G04      | SBR1096562 | ENSRNOT00000023256.5 | Slc2a4  | ENSRNOG0000017226 | solute carrier family 2 member 4 Source RGD Symbol Acc 2711                             |
| G05      | SBR1114531 | ENSRNOT00000047053.6 | Srebf1  | ENSRNOG0000003463 | sterol regulatory element binding transcription factor 1 Source RGD Symbol Acc 69423    |
| G06      | SBR1146121 | ENSRNOT00000060683.3 | Stk11   | ENSRNOG0000014287 | serine/threonine kinase 11 Source RGD Symbol Acc 1308653                                |
| G07      | SBR1126642 | ENSRNOT00000011894.6 | Strada  | ENSRNOG0000008637 | STE20 related adaptor alpha Source RGD Symbol Acc 727905                                |
| G08      | SBR1205260 | ENSRNOT00000043558.2 | Stradb  | ENSRNOG0000010728 | STE20 related adaptor beta Source RGD Symbol Acc 1559449                                |
| G09      | SBR1172374 | ENSRNOT00000046490.3 | Tp53    | ENSRNOG0000010756 | tumor protein p53 Source RGD Symbol Acc 3889                                            |
| G10      | SBR1131530 | ENSRNOT00000016904.3 | Tsc1    | ENSRNOG0000011470 | TSC complex subunit 1 Source RGD Symbol Acc 620124                                      |
| G11      | SBR1097853 | ENSRNOT00000016221.3 | Tsc2    | ENSRNOG0000011375 | TSC complex subunit 2 Source RGD Symbol Acc 3908                                        |
| G12      | SBR1188200 | ENSRNOT00000056790.3 | Ulk1    | ENSRNOG0000037505 | unc-51 like autophagy activating kinase 1 Source RGD Symbol Acc 1589743                 |
| H01      | SBR1220567 | ENSRNOT00000042459.4 | Actb    | ENSRNOG0000034254 | actin, beta Source RGD Symbol Acc 628837                                                |
| H02      | SBR1220568 | ENSRNOT00000023017.5 | B2m     | ENSRNOG0000017123 | beta-2 microglobulin Source RGD Symbol Acc 2189                                         |
| H03      | SBR1225377 | ENSRNOT00000065935.3 | Hprt1   | ENSRNOG0000048561 | hypoxanthine phosphoribosyltransferase 1 Source RGD Symbol Acc 2826                     |
| H04      | SBR1122313 | ENSRNOT00000017468.2 | Ldha    | ENSRNOG0000013009 | lactate dehydrogenase A Source RGD Symbol Acc 2996                                      |
| H05      | SBR1220572 | ENSRNOT00000018820.5 | Rplp1   | ENSRNOG0000013874 | ribosomal protein lateral stalk subunit P1 Source RGD Symbol Acc 621774                 |
| H06      | SBR1218555 | Sybr_RGDC            | RGDC    | Sybr_RGDC         | Rat Genomic DNA Contamination                                                           |
| H07      | SBH1218551 | Sybr_QIC             | QIC     | Sybr_QIC          | QuantiNova Internal Control                                                             |
| H08      | SBH1218551 | Sybr_QIC             | QIC     | Sybr_QIC          | QuantiNova Internal Control                                                             |
| H09      | SBH1218551 | Sybr_QIC             | QIC     | Sybr_QIC          | QuantiNova Internal Control                                                             |
| H10      | SBH1218550 | Sybr_PPC             | PPC     | Sybr_PPC          | Positive PCR Control                                                                    |
| H11      | SBH1218550 | Sybr_PPC             | PPC     | Sybr_PPC          | Positive PCR Control                                                                    |
| H12      | SBH1218550 | Sybr_PPC             | PPC     | Sybr_PPC          | Positive PCR Control                                                                    |



## Related products

| Product                                    | Contents                                                                                                                                                                                                                                                         | Cat. no. |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| QuantiNova LNA PCR QC Panel                | These panels are designed to assess the quality of RNA samples before characterization using QuantiNova LNA PCR Focus Panels; available in 96-well, 384-well, and Rotor-Disc 100 formats                                                                         | 249940   |
| QuantiNova Reverse Transcription Kit (10)* | For 10 x 20 $\mu$ l reactions: 20 $\mu$ l 8x gDNA Removal Mix, 10 $\mu$ l Reverse Transcription Enzyme, 40 $\mu$ l Reverse Transcription Mix (containing RT primers), 20 $\mu$ l Internal Control RNA, 1.9 ml RNase-Free Water                                   | 205410   |
| QuantiNova SYBR Green RT-PCR Kit (100)*    | For 100 x 20 $\mu$ l reactions: 1 ml QuantiNova SYBR Green RT-PCR Master Mix, 20 $\mu$ l QuantiNova SYBR Green RT Mix, 20 $\mu$ l Internal Control RNA, 500 $\mu$ l Yellow Template Dilution Buffer, 250 $\mu$ l ROX Reference Dye, 1.9 $\mu$ l RNase-Free Water | 208152   |
| QuantiNova SYBR Green PCR Kit (100)*       | For 100 x 20 $\mu$ l reactions: 1 ml 2x QuantiNova SYBR Green PCR Master Mix, 500 $\mu$ l QuantiNova Yellow Template Dilution Buffer, 250 $\mu$ l QN ROX Reference Dye, 1.9 ml Water                                                                             | 208052   |

\*Larger kit sizes available.

The QuantiNova LNA PCR Focus Panels are intended for molecular biology applications. These products are not intended for the diagnosis, prevention or treatment of a disease.

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