QuantiNova® LNA® Probe PCR lncRNA Focus Panels (96-Well Format and 384-Well [4 x 96] Format)

Mouse Cell Differentiation & Development

Cat. no. 249956 ULMM-003ZA

For study focus gene expression analysis

Shipping and storage

QuantiNova LNA Probe PCR lncRNA Focus Panels are shipped at room temperature. Immediately upon receipt, they should be stored protected from light 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 Probe PCR lncRNA Focus Panels should be used together with the QuantiNova Reverse Transcription Kit for cDNA synthesis and the QuantiNova Probe PCR Kit (Mastermix) for PCR.

Panel layout (96-well): QuantiNova LNA Probe PCR Focus Panel

For the 384-well (4 × 96) PCR panels, genes are present in a staggered format. Refer to the QuantiNova LNA Probe PCR Handbook at **www.qiagen.com** for further details.

	1	2	3	4	5	6	7	8	9	10	11	12
A	Wt1os	Xist	H19	Hotair	Malat1	Mirg	Dancr	Meg3	Tsix	Gas5	Neat1	Snhg7os
B	Pvt1	Snhg14	Igf2os	Sox2ot	Has2os	Dio3os	Gm20219	Tug1	Gm12610	Kcnq1ot1	Crnde	Firre
C	Hotairm1	Hottip	Hoxaas2	Pldi	Dlx1as	Emx2os	Nctc1	Abhd11os	Bvht	Zfas1	Ftx	Miat
D	Snhg1	Trp53cor1	1700020I14Rik	Airn	Dlx6os1	Dnm3os	Fendrr	Gm30731	Hoxa11os	Jpx	Gm14005	Nkx2-2os
E	Rmst	Snhg6	Snhg8	3110039I08Rik	Dubr	Foxd2os	Hoxaas3	Ifngas1	Mir99ahg	Nron	Rian	Six3os1
F	Snhg20	Snhg5	Terc	Tunar	Vax2os	Zeb2os	Amd-ps1	Anp32b-ps1	Evx1os	Gm15222	Kcnd3os	Lhx1os
G	Mir124a-1hg	Mir9-3hg	Myhas	Pancf2	Plekhd1os	1700007L15Rik	C130071C03Rik	G730013B05Rik	0610012G03Rik	1700052K11Rik	1700086O06Rik	2610307P16Rik
H	Actb	B2m	Gapdh	Gusb	Hsp90ab1	MGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA Probe PCR lncRNA Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFM0625726	ENSMUST00000135153.7	Wt1os	ENSMUSG00000074987	Wilms tumor 1 homolog, opposite strand Source MGI Symbol Acc MGI 2138884
A02	UPFM0678233	ENSMUST00000127786.3	Xist	ENSMUSG00000086503	inactive X specific transcripts Source MGI Symbol Acc MGI 98974
A03	UPFM0641582	ENSMUST00000228514.1	H19	ENSMUSG00000000031	H19, imprinted maternally expressed transcript Source MGI Symbol Acc MGI 95891
A04	UPFM0872258	ENSMUST00000151949.4	Hotair	ENSMUSG00000086903	HOX transcript antisense RNA (non-protein coding) Source MGI Symbol Acc MGI 3826586
A05	UPFM0775243	ENSMUST00000173314.1	Malat1	ENSMUSG00000092341	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) Source MGI Symbol Acc MGI 1919539
A06	UPFM0954014	ENSMUST00000183144.7	Mirg	ENSMUSG00000097391	miRNA containing gene Source MGI Symbol Acc MGI 3781106
A07	UPFM0764980	ENSMUST00000132389.2	Dancr	ENSMUSG00000106943	differentiation antagonizing non-protein coding RNA Source MGI Symbol Acc MGI 1917286
A08	UPFM0802903	ENSMUST00000126289.7	Meg3	ENSMUSG00000021268	maternally expressed 3 Source MGI Symbol Acc MGI 1202886
A09	UPFM0973040	ENSMUST00000152916.1	Tsix	ENSMUSG00000085715	X (inactive)-specific transcript, opposite strand Source MGI Symbol Acc MGI 1336196
A10	UPFM0717402	ENSMUST00000162289.7	Gas5	ENSMUSG00000053332	growth arrest specific 5 Source MGI Symbol Acc MGI 95659
A11	UPFM1010825	ENSMUST00000232969.1	Neat1	ENSMUSG00000092274	nuclear paraspeckle assembly transcript 1 (non-protein coding) Source MGI Symbol Acc MGI 1914211
A12	UPFM0698583	ENSMUST00000147986.1	Snhg7os	ENSMUSG00000086775	small nucleolar RNA host gene 7, opposite strand Source MGI Symbol Acc MGI 3045374
B01	UPFM0959952	ENSMUST00000182956.7	Pvt1	ENSMUSG00000097039	Pvt1 oncogene Source MGI Symbol Acc MGI 97824
B02	UPFM0960165	ENSMUST00000185693.6	Snhg14	ENSMUSG00000100826	small nucleolar RNA host gene 14 Source MGI Symbol Acc MGI 1289201
B03	UPFM0935203	ENSMUST00000141681.1	Igf2os	ENSMUSG00000086266	insulin-like growth factor 2, opposite strand Source MGI Symbol Acc MGI 1195257
B04	UPFM0953143	ENSMUST00000199171.4	Sox2ot	ENSMUSG00000105265	SOX2 overlapping transcript (non-protein coding) Source MGI Symbol Acc MGI 2444112
B05	UPFM0828106	ENSMUST00000165880.1	Has2os	ENSMUSG00000086541	hyaluronan synthase 2, opposite strand Source MGI Symbol Acc MGI 3643465
B06	UPFM0876766	ENSMUST00000220793.1	Dio3os	ENSMUSG00000113581	deiodinase, iodothyronine type III, opposite strand Source MGI Symbol Acc MGI 2664395
B07	UPFM0891342	ENSMUST00000209718.1	Gm20219	ENSMUSG00000110218	predicted gene, 20219 Source MGI Symbol Acc MGI 5012404
B08	UPFM0746955	ENSMUST00000153313.8	Tug1	ENSMUSG00000056579	taurine upregulated gene 1 Source MGI Symbol Acc MGI 2144114
B09	UPFM0725310	ENSMUST00000139272.1	Gm12610	ENSMUSG00000086035	predicted gene 12610 Source MGI Symbol Acc MGI 3652143
B10	UPFM0659790	ENSMUST00000185789.2	Kcnq1ot1	ENSMUSG00000101609	KCNQ1 overlapping transcript 1 Source MGI Symbol Acc MGI 1926855
B11	UPFM0798593	ENSMUST00000034183.9	Crnde	ENSMUSG00000031736	colorectal neoplasia differentially expressed (non-protein coding) Source MGI Symbol Acc MGI 1918546
B12	UPFM0667385	ENSMUST00000124842.7	Firre	ENSMUSG00000085396	functional intergenic repeating RNA element Source MGI Symbol Acc MGI 2147989
C01	UPFM0742492	ENSMUST00000132559.1	Hotairm1	ENSMUSG00000087658	Hoxa transcript antisense RNA, myeloid-specific 1 Source MGI Symbol Acc MGI 3705155
C02	UPFM0715914	ENSMUST00000152875.1	Hottip	ENSMUSG00000055408	Hoxa distal transcript antisense RNA Source MGI Symbol Acc MGI 3642509
C03	UPFM0936007	ENSMUST00000114435.1	Hoxaas2	ENSMUSG00000056445	Hoxa cluster antisense RNA 2 Source MGI Symbol Acc MGI 1913890
C04	UPFM0644409	ENSMUST00000036304.3	Pldi	ENSMUSG00000037247	polymorphic derived intron containing Source MGI Symbol Acc MGI 1920866
C05	UPFM0676289	ENSMUST00000137251.2	Dlx1as	ENSMUSG00000084946	distal-less homeobox 1, antisense Source MGI Symbol Acc MGI 1195983
C06	UPFM0889482	ENSMUST00000136990.2	Emx2os	ENSMUSG00000087095	Emx2 opposite strand/antisense transcript (non-protein coding) Source MGI Symbol Acc MGI 3052329
C07	UPFM0797240	ENSMUST00000132167.7	Nctc1	ENSMUSG00000087090	non-coding transcript 1 Source MGI Symbol Acc MGI 1306816
C08	UPFM0728371	ENSMUST00000136022.7	Abhd11os	ENSMUSG00000085042	abhydrolase domain containing 11, opposite strand Source MGI Symbol Acc MGI 1917062
C09	UPFM0948010	ENSMUST00000183087.1	Bvht	ENSMUSG00000098098	braveheart long non-coding RNA Source MGI Symbol Acc MGI 5434104
C10	UPFM0902434	ENSMUST00000189909.6	Zfas1	ENSMUSG00000074578	zinc finger, NFX1-type containing 1, antisense RNA 1 Source MGI Symbol Acc MGI 1916199
	UPFM071345	ENSMUST00000		ENSMUSG00	Ftx transcript, Xist regulator (non-protein coding) Source MGI Symbol Acc MGI

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	5	238083.1	Ftx	000086370	1926128
C12	UPFM0907632	ENSMUST00000182258.7	Miat	ENSMUSG00000097767	myocardial infarction associated transcript (non-protein coding) Source MGI Symbol Acc MGI 2444886
D01	UPFM0914858	ENSMUST00000206135.1	Snhg1	ENSMUSG00000108414	small nucleolar RNA host gene 1 Source MGI Symbol Acc MGI 3763743
D02	UPFM0775380	ENSMUST00000133221.2	Trp53cor1	ENSMUSG00000085912	tumor protein p53 pathway corepressor 1 Source MGI Symbol Acc MGI 3801771
D03	UPFM0810497	ENSMUST00000147425.1	1700020I14Rik	ENSMUSG00000085438	RIKEN cDNA 1700020I14 gene Source MGI Symbol Acc MGI 1913852
D04	UPFM0685347	ENSMUST00000159731.1	Airn	ENSMUSG00000078247	antisense Igf2r RNA Source MGI Symbol Acc MGI 1353471
D05	UPFM0896976	ENSMUST00000159568.5	Dlx6os1	ENSMUSG00000090063	distal-less homeobox 6, opposite strand 1 Source MGI Symbol Acc MGI 2443217
D06	UPFM0944227	ENSMUST00000231725.1	Dnm3os	ENSMUSG00000078190	dynamin 3, opposite strand Source MGI Symbol Acc MGI 3052332
D07	UPFM0721525	ENSMUST00000181530.7	Fendrr	ENSMUSG00000097336	Foxf1 adjacent non-coding developmental regulatory RNA Source MGI Symbol Acc MGI 1916040
D08	UPFM0873345	ENSMUST00000203909.1	Gm30731	ENSMUSG00000107859	predicted gene, 30731 Source MGI Symbol Acc MGI 5589890
D09	UPFM0658657	ENSMUST00000137729.1	Hoxa11os	ENSMUSG00000086427	homeobox A11, opposite strand Source MGI Symbol Acc MGI 107208
D10	UPFM0653266	ENSMUST00000182486.1	Jpx	ENSMUSG00000097571	Jpx transcript, Xist activator (non-protein coding) Source MGI Symbol Acc MGI 2180008
D11	UPFM0661140	ENSMUST00000143065.7	Gm14005	ENSMUSG00000074813	predicted gene 14005 Source MGI Symbol Acc MGI 3652191
D12	UPFM0682525	ENSMUST00000136998.2	Nkx2-2os	ENSMUSG00000086509	NK2 homeobox 2, opposite strand Source MGI Symbol Acc MGI 3652259
E01	UPFM0751820	ENSMUST00000219444.1	Rmst	ENSMUSG00000112117	rhabdomyosarcoma 2 associated transcript (non-coding RNA) Source MGI Symbol Acc MGI 1099806
E02	UPFM0728165	ENSMUST00000182742.1	Snhg6	ENSMUSG00000098234	small nucleolar RNA host gene 6 Source MGI Symbol Acc MGI 1921074
E03	UPFM0736523	ENSMUST00000196466.1	Snhg8	ENSMUSG00000104960	small nucleolar RNA host gene 8 Source MGI Symbol Acc MGI 1917145
E04	UPFM0779402	ENSMUST00000233934.1	3110039I08Rik	ENSMUSG00000074415	RIKEN cDNA 3110039I08 gene Source MGI Symbol Acc MGI 1920394
E05	UPFM0850049	ENSMUST00000191079.1	Dubr	ENSMUSG00000022639	Dppa2 upstream binding RNA Source MGI Symbol Acc MGI 1915440
E06	UPFM0902774	ENSMUST00000123272.1	Foxd2os	ENSMUSG00000085399	forkhead box D2, opposite strand Source MGI Symbol Acc MGI 2444065
E07	UPFM0845919	ENSMUST00000131502.1	Hoxaas3	ENSMUSG00000085696	Hoxa cluster antisense RNA 3 Source MGI Symbol Acc MGI 1919878
E08	UPFM0923634	ENSMUST00000220034.1	Ifngas1	ENSMUSG00000112230	Ifng antisense RNA 1 Source MGI Symbol Acc MGI 1934663
E09	UPFM0778641	ENSMUST00000182748.7	Mir99ahg	ENSMUSG00000090386	Mir99a and Mirlet7c-1 host gene (non-protein coding) Source MGI Symbol Acc MGI 1919929
E10	UPFM0786895	ENSMUST00000140412.1	Nron	ENSMUSG00000086484	non-protein coding RNA, repressor of NFAT Source MGI Symbol Acc MGI 2444126
E11	UPFM0715369	ENSMUST00000182119.1	Rian	ENSMUSG00000097451	RNA imprinted and accumulated in nucleus Source MGI Symbol Acc MGI 1922995
E12	UPFM0761999	ENSMUST00000160691.1	Six3os1	ENSMUSG00000093460	SIX homeobox 3, opposite strand 1 Source MGI Symbol Acc MGI 1925118
F01	UPFM0882460	ENSMUST00000232907.1	Snhg20	ENSMUSG00000086859	small nucleolar RNA host gene 20 Source MGI Symbol Acc MGI 1924222
F02	UPFM0919225	ENSMUST00000183045.1	Snhg5	ENSMUSG00000097195	small nucleolar RNA host gene 5 Source MGI Symbol Acc MGI 1919905
F03	UPFM0624168	ENSMUST00000082862.1	Terc	ENSMUSG00000064796	telomerase RNA component Source MGI Symbol Acc MGI 109558
F04	UPFM0859959	ENSMUST00000180458.8	Tunar	ENSMUSG00000097929	Tcl1 upstream neural differentiation associated RNA Source MGI Symbol Acc MGI 1917202
F05	UPFM0976037	ENSMUST00000123402.1	Vax2os	ENSMUSG00000085794	ventral anterior homeobox 2, opposite strand Source MGI Symbol Acc MGI 3583301
F06	UPFM0917028	ENSMUST00000127150.8	Zeb2os	ENSMUSG00000052248	zinc finger E-box binding homeobox 2, opposite strand Source MGI Symbol Acc MGI 3652108
F07	UPFM0699301	ENSMUST00000120127.1	Amd-ps1	ENSMUSG00000083823	S-adenosylmethionine decarboxylase, pseudogene 1 Source MGI Symbol Acc MGI 1310005
F08	UPFM0924010	ENSMUST00000122215.1	Anp32b-ps1	ENSMUSG00000081792	Bacidic (leucine-rich) nuclear phosphoprotein 32 family, member B, pseudogene 1 Source MGI Symbol Acc MGI 3651262
F09	UPFM0941602	ENSMUST00000125305.1	Evx1os	ENSMUSG00000086126	even skipped homeotic gene 1, opposite strand Source MGI Symbol Acc MGI 1917843
F10	UPFM0631227	ENSMUST00000127359.1	Gm15222	ENSMUSG00000086746	predicted gene 15222 Source MGI Symbol Acc MGI 3705297

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM0906023	ENSMUST00000143893.1	Kcnd3os	ENSMUSG00000074346	potassium voltage-gated channel, Shal-related family, member 3, opposite strand Source MGI Symbol Acc MGI 1925885
F12	UPFM0678586	ENSMUST00000128121.1	Lhx1os	ENSMUSG00000087211	LIM homeobox 1, opposite strand Source MGI Symbol Acc MGI 1925615
G01	UPFM0926993	ENSMUST00000181808.2	Mir124a-1hg	ENSMUSG00000097545	Mir124-1 host gene (non-protein coding) Source MGI Symbol Acc MGI 2442197
G02	UPFM0638439	ENSMUST00000183043.7	Mir9-3hg	ENSMUSG00000097023	Mir9-3 host gene Source MGI Symbol Acc MGI 2142071
G03	UPFM1007713	ENSMUST00000145021.1	Myhas	ENSMUSG00000085348	myosin heavy chain gene antisense RNA Source MGI Symbol Acc MGI 3650429
G04	UPFM0939413	ENSMUST00000181489.2	Panct2	ENSMUSG00000097814	pluripotency-associated noncoding transcript 2 Source MGI Symbol Acc MGI 3643517
G05	UPFM0918292	ENSMUST00000153297.1	Plekhd1os	ENSMUSG00000044062	pleckstrin homology domain containing, family D (with coiled-coil domains) member 1, opposite strand Source MGI Symbol Acc MGI 1915604
G06	UPFM0810152	ENSMUST00000180923.1	1700007L15Rik	ENSMUSG00000097318	RIKEN cDNA 1700007L15 gene Source MGI Symbol Acc MGI 1916581
G07	UPFM0663210	ENSMUST00000182701.1	C130071C03Rik	ENSMUSG00000050334	RIKEN cDNA C130071C03 gene Source MGI Symbol Acc MGI 2443574
G08	UPFM0758245	ENSMUST00000180509.8	G730013B05Rik	ENSMUSG00000097694	RIKEN cDNA G730013B05 gene Source MGI Symbol Acc MGI 3588276
G09	UPFM0839626	ENSMUST00000202722.1	0610012G03Rik	ENSMUSG00000107002	RIKEN cDNA 0610012G03 gene Source MGI Symbol Acc MGI 1913301
G10	UPFM0781810	ENSMUST00000190120.1	1700052K11Rik	ENSMUSG00000099681	RIKEN cDNA 1700052K11 gene Source MGI Symbol Acc MGI 1920681
G11	UPFM0959202	ENSMUST00000181871.2	1700086O06Rik	ENSMUSG00000097080	RIKEN cDNA 1700086O06 gene Source MGI Symbol Acc MGI 1920766
G12	UPFM0862359	ENSMUST00000125358.7	2610307P16Rik	ENSMUSG00000085936	RIKEN cDNA 2610307P16 gene Source MGI Symbol Acc MGI 1919768
H01	UPFM1132946	ENSMUST00000163829.1	Actb	ENSMUSG00000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	UPFM1132947	ENSMUST00000102476.4	B2m	ENSMUSG00000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	UPFM1132948	ENSMUST00000117757.8	Gapdh	ENSMUSG00000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	UPFM1132949	ENSMUST00000026613.13	Gusb	ENSMUSG00000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	UPFM1132950	ENSMUST00000166469.7	Hsp90ab1	ENSMUSG00000023944	heat shock protein 90 alpha (cytosolic), class B member 1 Source MGI Symbol Acc MGI 96247
H06	UPFM1126609	UPL_MGDC	MGDC	UPL_MGDC	Mouse Genomic DNA Contamination
H07	UPFH1126606	UPL_QIC	QIC	UPL_QIC	QuantiNova Internal Control
H08	UPFH1126606	UPL_QIC	QIC	UPL_QIC	QuantiNova Internal Control
H09	UPFH1126606	UPL_QIC	QIC	UPL_QIC	QuantiNova Internal Control
H10	UPFH1126605	UPL_PPC	PPC	UPL_PPC	Positive PCR Control
H11	UPFH1126605	UPL_PPC	PPC	UPL_PPC	Positive PCR Control
H12	UPFH1126605	UPL_PPC	PPC	UPL_PPC	Positive PCR Control

Related products

Product	Contents	Cat. no.
QuantiNova LNA Probe PCR QC Panel	These panels are designed to assess the quality of RNA samples before characterization using QuantiNova LNA Probe PCR lncRNA Focus Panels; available in 96-well, 384-well, and Rotor-Disc 100 formats	249945
QuantiNova Reverse Transcription Kit (10)*	For 10 x 20 µl reactions: 20 µl 8x gDNA Removal Mix, 10 µl Reverse Transcription Enzyme, 40 µl Reverse Transcription Mix (containing RT primers), 20 µl Internal Control RNA, 1.9 ml RNase-Free Water	205410
QuantiNova Probe RT-PCR Kit (100)*	For 100 x 20 µl reactions: 1 ml QuantiNova Probe RT-PCR Master Mix, 20 µl QuantiNova Probe RT Mix, 20 µl Internal Control RNA, 500 µl Yellow Template Dilution Buffer, 250 µl ROX Reference Dye, 1.9 µl RNase-Free Water	208352
QuantiNova Probe PCR Kit (100)*	For 100 x 20 µl reactions: 1 ml 2x QuantiNova Probe PCR Master Mix, 500 µl QuantiNova Yellow Template Dilution Buffer, 250 µl QN ROX Reference Dye, 1.9 ml Water	208252

*Larger kit sizes available.

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

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at www.qiagen.com or can be requested from QIAGEN Technical Services or your local distributor.