

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

Mouse Fibrosis

Cat. no. 249955 UPMM-120ZR

For study focus gene expression analysis

Shipping and storage

QuantiNova LNA Probe PCR 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 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 (Rotor-Gene): QuantiNova LNA Probe 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 Probe PCR Handbook at www.qiagen.com for further details.

	1	2	3	4	5	6	7	8	9	10	11	12
A	Acta2	Agf	Akt1	Bcl2	Bmp7	Cav1	Ccl11	Ccl12	Ccl3	Ccr2	Cebpb	Col1a2
B	Col3a1	Ccn2	Cxcr4	Den	Edn1	Egf	Eng	Fosl	Grem1	Hgf	Ifng	Il10
C	Il13	Il13ra2	Il1a	Il1b	Il4	Il5	Ilk	Inhbe	Itga1	Itga2	Itga3	Itgav
D	Itgb1	Itgb3	Itgb5	Itgb6	Itgb8	Jun	Lox	Ltbp1	Mmp13	Mmp14	Mmp1a	Mmp2
E	Mmp3	Mmp8	Mmp9	Myc	Nrk1	Pdgfa	Pdgfb	Plat	Plau	Plg	Serpina1a	Serpine1
F	Serpinh1	Smad2	Smad3	Smad4	Smad6	Smad7	Snai1	Sp1	Stat1	Stat6	Tgfb1	Tgfb2
G	Tgfb3	Tgfb1	Tgfb2	Tgfb1	Thbs1	Thbs2	Timp1	Timp2	Timp3	Timp4	Tnf	Vegfa
H	Actb	B2m	Gapdh	Gusb	Hsp90ab1	MGDC	QIC	QIC	QIC	QIC	PPC	PPC

Gene table: QuantiNova LNA Probe PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFM065194 2	ENSMUST00000 039631.9	Acta2	ENSMUSG00 000035783	actin, alpha 2, smooth muscle, aorta Source MGI Symbol Acc MGI 87909
A02	UPFM088419 7	ENSMUST00000 063278.6	Agt	ENSMUSG00 000031980	angiotensinogen (serpin peptidase inhibitor, clade A, member 8) Source MGI Symbol Acc MGI 87963
A03	UPFM082786 0	ENSMUST00000 139388.2	Akt1	ENSMUSG00 000001729	thymoma viral proto-oncogene 1 Source MGI Symbol Acc MGI 87986
A04	UPFM063585 3	ENSMUST00000 112751.1	Bcl2	ENSMUSG00	B cell leukemia/lymphoma 2 Source MGI Symbol Acc MGI 88138
A05	UPFM093035 6	ENSMUST00000 009143.7	Bmp7	ENSMUSG00 000008999	bone morphogenetic protein 7 Source MGI Symbol Acc MGI 103302
A06	UPFM094042 8	ENSMUST00000 150901.1	Cav1	ENSMUSG00 000007655	caveolin 1, caveolae protein Source MGI Symbol Acc MGI 102709
A07	UPFM093466 9	ENSMUST00000 000342.2	Ccl11	ENSMUSG00 000020676	chemokine (C-C motif) ligand 11 Source MGI Symbol Acc MGI 103576
A08	UPFM078189 8	ENSMUST00000 124916.1	Ccl12	ENSMUSG00 000035352	chemokine (C-C motif) ligand 12 Source MGI Symbol Acc MGI 108224
A09	UPFM100418 5	ENSMUST00000 001008.5	Ccl3	ENSMUSG00 000000982	chemokine (C-C motif) ligand 3 Source MGI Symbol Acc MGI 98260
A10	UPFM064396 1	ENSMUST00000 168841.2	Ccr2	ENSMUSG00 000049103	chemokine (C-C motif) receptor 2 Source MGI Symbol Acc MGI 106185
A11	UPFM117294 0	ENSMUST00000 070642.3	Cebpb	ENSMUSG00 000056501	CCAAT/enhancer binding protein (C/EBP), beta Source MGI Symbol Acc MGI 88373
A12	UPFM081902 3	ENSMUST00000 132029.1	Col1a2	ENSMUSG00 000029661	collagen, type I, alpha 2 Source MGI Symbol Acc MGI 88468
B01	UPFM093889 4	ENSMUST00000 087883.12	Col3a1	ENSMUSG00 000026043	collagen, type III, alpha 1 Source MGI Symbol Acc MGI 88453
B02	UPFM087426 0	ENSMUST00000 176228.1	Ccn2	ENSMUSG00 000019997	cellular communication network factor 1 Source MGI Symbol Acc MGI 95537
B03	UPFM077457 5	ENSMUST00000 052172.6	Cxcr4	ENSMUSG00 000045382	chemokine (C-X-C motif) receptor 4 Source MGI Symbol Acc MGI 109563
B04	UPFM067651 1	ENSMUST00000 219539.1	Dcn	ENSMUSG00 000019929	decorin Source MGI Symbol Acc MGI 94872
B05	UPFM063234 4	ENSMUST00000 021796.8	Edn1	ENSMUSG00 000021367	endothelin 1 Source MGI Symbol Acc MGI 95283
B06	UPFM092572 5	ENSMUST00000 199615.4	Egf	ENSMUSG00 000028017	epidermal growth factor Source MGI Symbol Acc MGI 95290
B07	UPFM062460 8	ENSMUST00000 009705.13	Eng	ENSMUSG00 000026814	endoglin Source MGI Symbol Acc MGI 95392
B08	UPFM074944 2	ENSMUST00000 193648.1	Fasl	ENSMUSG00 000000817	Fas ligand (TNF superfamily, member 6) Source MGI Symbol Acc MGI 99255
B09	UPFM063570 4	ENSMUST00000 099575.3	Grem1	ENSMUSG00 000074934	gremlin 1, DAN family BMP antagonist Source MGI Symbol Acc MGI 1344337
B10	UPFM081302 0	ENSMUST00000 199900.1	Hgf	ENSMUSG00 000028864	hepatocyte growth factor Source MGI Symbol Acc MGI 96079
B11	UPFM117295 0	ENSMUST00000 068592.4	Ifn-g	ENSMUSG00 000055170	interferon gamma Source MGI Symbol Acc MGI 107656
B12	UPFM117295 1	ENSMUST00000 016673.5	Il10	ENSMUSG00 000016529	interleukin 10 Source MGI Symbol Acc MGI 96537
C01	UPFM117295 2	ENSMUST00000 020650.1	Il13	ENSMUSG00 000020383	interleukin 13 Source MGI Symbol Acc MGI 96541
C02	UPFM117296 8	ENSMUST00000 033646.8	Il13ra2	ENSMUSG00 000031289	interleukin 13 receptor, alpha 2 Source MGI Symbol Acc MGI 1277954
C03	UPFM090388 7	ENSMUST00000 028882.1	Il1a	ENSMUSG00 000027399	interleukin 1 alpha Source MGI Symbol Acc MGI 96542
C04	UPFM067128 1	ENSMUST00000 155994.1	Il1b	ENSMUSG00 000027398	interleukin 1 beta Source MGI Symbol Acc MGI 96543
C05	UPFM095925 1	ENSMUST00000 150568.7	Il4	ENSMUSG00 000000869	interleukin 4 Source MGI Symbol Acc MGI 96556
C06	UPFM066497 9	ENSMUST00000 048605.2	Il5	ENSMUSG00 000036117	interleukin 5 Source MGI Symbol Acc MGI 96557
C07	UPFM073967 8	ENSMUST00000 149695.7	Ilk	ENSMUSG00 000030890	integrin linked kinase Source MGI Symbol Acc MGI 1195267
C08	UPFM093841 4	ENSMUST00000 059718.5	Inhbe	ENSMUSG00 000047492	inhibin beta-E Source MGI Symbol Acc MGI 109269
C09	UPFM090025 9	ENSMUST00000 224493.1	Itga1	ENSMUSG00 000042284	integrin alpha 1 Source MGI Symbol Acc MGI 96599
C10	UPFM099288 8	ENSMUST00000 224204.1	Itga2	ENSMUSG00 000015533	integrin alpha 2 Source MGI Symbol Acc MGI 96600
	UPFM076559	ENSMUST00000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	2	001548.13	Itga3	000001507	integrin alpha 3 Source MGI Symbol Acc MGI 96602
C12	UPFM085524 7	ENSMUST00000 028499.10	Itgav	ENSMUSG00 000027087	integrin alpha V Source MGI Symbol Acc MGI 96608
D01	UPFM093465 6	ENSMUST00000 124826.1	Itgb1	ENSMUSG00 000025809	integrin beta 1 (fibronectin receptor beta) Source MGI Symbol Acc MGI 96610
D02	UPFM079961 6	ENSMUST00000 127140.2	Itgb3	ENSMUSG00 000020689	integrin beta 3 Source MGI Symbol Acc MGI 96612
D03	UPFM085120 6	ENSMUST00000 134262.7	Itgb5	ENSMUSG00 000022817	integrin beta 5 Source MGI Symbol Acc MGI 96614
D04	UPFM063010 8	ENSMUST00000 154764.1	Itgb6	ENSMUSG00 000026971	integrin beta 6 Source MGI Symbol Acc MGI 96615
D05	UPFM077688 3	ENSMUST00000 026360.8	Itgb8	ENSMUSG00 000025321	integrin beta 8 Source MGI Symbol Acc MGI 1338035
D06	UPFM097521 6	ENSMUST00000 107094.1	Jun	ENSMUSG00 000052684	jun proto-oncogene Source MGI Symbol Acc MGI 96646
D07	UPFM069839 1	ENSMUST00000 171470.7	Lox	ENSMUSG00 000024529	lysyl oxidase Source MGI Symbol Acc MGI 96817
D08	UPFM061956 0	ENSMUST00000 135750.1	Ltbp1	ENSMUSG00 000001870	latent transforming growth factor beta binding protein 1 Source MGI Symbol Acc MGI 109151
D09	UPFM095086 5	ENSMUST00000 015394.9	Mmp13	ENSMUSG00 000050578	matrix metalloproteinase 13 Source MGI Symbol Acc MGI 1340026
D10	UPFM101055 0	ENSMUST00000 089688.5	Mmp14	ENSMUSG00 000000957	matrix metalloproteinase 14 (membrane-inserted) Source MGI Symbol Acc MGI 101900
D11	UPFM093736 0	ENSMUST00000 217651.1	Mmp1a	ENSMUSG00 000043089	matrix metalloproteinase 1a (interstitial collagenase) Source MGI Symbol Acc MGI 1933846
D12	UPFM073737 4	ENSMUST00000 211567.1	Mmp2	ENSMUSG00 000031740	matrix metalloproteinase 2 Source MGI Symbol Acc MGI 97009
E01	UPFM079125 8	ENSMUST00000 034497.7	Mmp3	ENSMUSG00 000043613	matrix metalloproteinase 3 Source MGI Symbol Acc MGI 97010
E02	UPFM094745 5	ENSMUST00000 018765.3	Mmp8	ENSMUSG00 000005800	matrix metalloproteinase 8 Source MGI Symbol Acc MGI 1202395
E03	UPFM079930 8	ENSMUST00000 017881.2	Mmp9	ENSMUSG00 000017737	matrix metalloproteinase 9 Source MGI Symbol Acc MGI 97011
E04	UPFM081421 4	ENSMUST00000 161976.7	Myc	ENSMUSG00 000022346	myelocytomatosis oncogene Source MGI Symbol Acc MGI 97250
E05	UPFM098758 7	ENSMUST00000 029812.13	Nfkb1	ENSMUSG00 000028163	nuclear factor of kappa light polypeptide gene enhancer in B cells 1, p105 Source MGI Symbol Acc MGI 97312
E06	UPFM090047 0	ENSMUST00000 110896.1	Pdgfa	ENSMUSG00 000025856	platelet derived growth factor, alpha Source MGI Symbol Acc MGI 97527
E07	UPFM081589 7	ENSMUST00000 229795.1	Pdgfb	ENSMUSG00 000000489	platelet derived growth factor, B polypeptide Source MGI Symbol Acc MGI 97528
E08	UPFM093204 7	ENSMUST00000 033941.6	Plat	ENSMUSG00 000031538	plasminogen activator, tissue Source MGI Symbol Acc MGI 97610
E09	UPFM083661 6	ENSMUST00000 224141.1	Plau	ENSMUSG00 000021822	plasminogen activator, urokinase Source MGI Symbol Acc MGI 97611
E10	UPFM080537 4	ENSMUST00000 232767.1	Plg	ENSMUSG00 000059481	plasminogen Source MGI Symbol Acc MGI 97620
E11	UPFM117296 3	ENSMUST00000 072876.11	Serpina1a	ENSMUSG00 000066366	serine (or cysteine) peptidase inhibitor, clade A, member 1A Source MGI Symbol Acc MGI 891971
E12	UPFM070788 6	ENSMUST00000 041388.10	Serpine1	ENSMUSG00 000037411	serine (or cysteine) peptidase inhibitor, clade E, member 1 Source MGI Symbol Acc MGI 97608
F01	UPFM100097 1	ENSMUST00000 208119.1	Serpinh1	ENSMUSG00 000070436	serine (or cysteine) peptidase inhibitor, clade H, member 1 Source MGI Symbol Acc MGI 88283
F02	UPFM077443 3	ENSMUST00000 172198.7	Smad2	ENSMUSG00 000024563	SMAD family member 2 Source MGI Symbol Acc MGI 108051
F03	UPFM088392 2	ENSMUST00000 034973.9	Smad3	ENSMUSG00 000032402	SMAD family member 3 Source MGI Symbol Acc MGI 1201674
F04	UPFM098632 8	ENSMUST00000 114939.1	Smad4	ENSMUSG00 000024515	SMAD family member 4 Source MGI Symbol Acc MGI 894293
F05	UPFM080128 8	ENSMUST00000 144323.2	Smad6	ENSMUSG00 000036867	SMAD family member 6 Source MGI Symbol Acc MGI 1336883
F06	UPFM073298 1	ENSMUST00000 174843.7	Smad7	ENSMUSG00 000025880	SMAD family member 7 Source MGI Symbol Acc MGI 1100518
F07	UPFM082086 9	ENSMUST00000 052631.7	Snai1	ENSMUSG00 000042821	snail family zinc finger 1 Source MGI Symbol Acc MGI 98330
F08	UPFM083079 3	ENSMUST00000 001326.6	Sp1	ENSMUSG00 000001280	trans-acting transcription factor 1 Source MGI Symbol Acc MGI 98372
F09	UPFM071531 5	ENSMUST00000 186574.6	Stat1	ENSMUSG00 000026104	signal transducer and activator of transcription 1 Source MGI Symbol Acc MGI 103063
F10	UPFM075580 6	ENSMUST00000 092074.11	Stat6	ENSMUSG00 000002147	signal transducer and activator of transcription 6 Source MGI Symbol Acc MGI 103034

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM066688 0	ENSMUST00000 171757.1	Tgfb1	ENSMUSG00 000002603	transforming growth factor, beta 1 Source MGI Symbol Acc MGI 98725
F12	UPFM073116 6	ENSMUST00000 045288.13	Tgfb2	ENSMUSG00 000039239	transforming growth factor, beta 2 Source MGI Symbol Acc MGI 98726
G01	UPFM086737 6	ENSMUST00000 003687.7	Tgfb3	ENSMUSG00 000021253	transforming growth factor, beta 3 Source MGI Symbol Acc MGI 98727
G02	UPFM064002 0	ENSMUST00000 044234.13	Tgibr1	ENSMUSG00 000007613	transforming growth factor, beta receptor I Source MGI Symbol Acc MGI 98728
G03	UPFM117296 4	ENSMUST00000 061101.11	Tgibr2	ENSMUSG00 000032440	transforming growth factor, beta receptor II Source MGI Symbol Acc MGI 98729
G04	UPFM091450 6	ENSMUST00000 059775.14	Tgif1	ENSMUSG00 000047407	TGFB-induced factor homeobox 1 Source MGI Symbol Acc MGI 1194497
G05	UPFM072927 9	ENSMUST00000 039559.8	Thbs1	ENSMUSG00 000040152	thrombospondin 1 Source MGI Symbol Acc MGI 98737
G06	UPFM064532 4	ENSMUST00000 170872.2	Thbs2	ENSMUSG00 000023885	thrombospondin 2 Source MGI Symbol Acc MGI 98738
G07	UPFM079676 3	ENSMUST00000 009530.4	Timp1	ENSMUSG00 000001131	tissue inhibitor of metalloproteinase 1 Source MGI Symbol Acc MGI 98752
G08	UPFM073508 3	ENSMUST00000 017610.9	Timp2	ENSMUSG00 000017466	tissue inhibitor of metalloproteinase 2 Source MGI Symbol Acc MGI 98753
G09	UPFM066788 6	ENSMUST00000 020234.13	Timp3	ENSMUSG00 000020044	tissue inhibitor of metalloproteinase 3 Source MGI Symbol Acc MGI 98754
G10	UPFM091836 6	ENSMUST00000 032462.8	Timp4	ENSMUSG00 000030317	tissue inhibitor of metalloproteinase 4 Source MGI Symbol Acc MGI 109125
G11	UPFM063847 1	ENSMUST00000 025263.14	Tnf	ENSMUSG00 000024401	tumor necrosis factor Source MGI Symbol Acc MGI 104798
G12	UPFM117296 6	ENSMUST00000 214739.1	Vegfa	ENSMUSG00 000023951	vascular endothelial growth factor A Source MGI Symbol Acc MGI 103178
H01	UPFM113294 6	ENSMUST00000 163829.1	Actb	ENSMUSG00 000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	UPFM113294 7	ENSMUST00000 102476.4	B2m	ENSMUSG00 000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	UPFM113294 8	ENSMUST00000 117757.8	Gapdh	ENSMUSG00 000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	UPFM113294 9	ENSMUST00000 026613.13	Gusb	ENSMUSG00 000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	UPFM113295 0	ENSMUST00000 166469.7	Hsp90ab1	ENSMUSG00 000023944	heat shock protein 90 alpha (cytosolic), class B member 1 Source MGI Symbol Acc MGI 96247
H06	UPFM112660 9	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 Focus Panels; available in 96-well, 384-well, and Rotor-Disc 100 formats	249945
QuantiNova Reverse Transcription Kit (10)*	For 10 x 20 μ l reactions: 20 μ l 8x gDNA Removal Mix, 10 μ l Reverse Transcription Enzyme, 40 μ l Reverse Transcription Mix (containing RT primers), 20 μ l Internal Control RNA, 1.9 ml RNase-Free Water	205410
QuantiNova Probe RT-PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml QuantiNova Probe RT-PCR Master Mix, 20 μ l QuantiNova Probe RT Mix, 20 μ l Internal Control RNA, 500 μ l Yellow Template Dilution Buffer, 250 μ l ROX Reference Dye, 1.9 μ l RNase-Free Water	208352
QuantiNova Probe PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml 2x QuantiNova Probe PCR Master Mix, 500 μ l QuantiNova Yellow Template Dilution Buffer, 250 μ l QN ROX Reference Dye, 1.9 ml Water	208252

*Larger kit sizes available.

The QuantiNova LNA Probe 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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