

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

Mouse Wound Healing

Cat. no. 249955 UPMM-121ZR

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	Actc1	Angpt1	Ccl12	Ccl7	Cd40lg	Cdh1	Col14a1	Col1a1	Col1a2	Col3a1	Col4a1
B	Col4a3	Col5a1	Col5a2	Col5a3	Csf2	Csf3	Ccn2	Ctmb1	Ctsg	Ctsk	Ctsl	Cxcl1
C	Cxcl11	Cxcl3	Cxcl5	Egf	Egfr	F13a1	F3	Fga	Fgf10	Fgf2	Fgf7	Hbegf
D	Hgf	Ifng	Igf1	Il10	Il1b	Il2	Il4	Il6	Il6st	Itga1	Itga2	Itga3
E	Itga4	Itga5	Itga6	Itgav	Itgb1	Itgb3	Itgb5	Itgb6	Mapk1	Mapk3	Mif	Mmp1a
F	Mmp2	Mmp7	Mmp9	Pdgfa	Plat	Plau	Plaur	Plg	Pten	Ptgs2	Rac1	Rhoa
G	Serpine1	Stat3	Tagln	Tgfa	Tgfb1	Tgfb3	Timp1	Tnf	Vegfa	Vtn	Ccn4	Wnt5a
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	UPFM083063 1	ENSMUST00000 090269.6	Actc1	ENSMUSG00 000068614	actin, alpha, cardiac muscle 1 Source MGI Symbol Acc MGI 87905
A03	UPFM071478 8	ENSMUST00000 022921.6	Angpt1	ENSMUSG00 000022309	angiopoietin 1 Source MGI Symbol Acc MGI 108448
A04	UPFM078189 8	ENSMUST00000 124916.1	Ccl12	ENSMUSG00 000035352	chemokine (C-C motif) ligand 12 Source MGI Symbol Acc MGI 108224
A05	UPFM093687 7	ENSMUST00000 021011.2	Ccl7	ENSMUSG00 000035373	chemokine (C-C motif) ligand 7 Source MGI Symbol Acc MGI 99512
A06	UPFM091836 0	ENSMUST00000 033466.1	Cd40lg	ENSMUSG00 000031132	CD40 ligand Source MGI Symbol Acc MGI 88337
A07	UPFM088317 7	ENSMUST00000 136580.1	Cdh1	ENSMUSG00 000000303	cadherin 1 Source MGI Symbol Acc MGI 88354
A08	UPFM066403 9	ENSMUST00000 110221.9	Col14a1	ENSMUSG00 000022371	collagen, type XIV, alpha 1 Source MGI Symbol Acc MGI 1341272
A09	UPFM117294 6	ENSMUST00000 001547.7	Col1a1	ENSMUSG00 000001506	collagen, type I, alpha 1 Source MGI Symbol Acc MGI 88467
A10	UPFM081902 3	ENSMUST00000 132029.1	Col1a2	ENSMUSG00 000029661	collagen, type I, alpha 2 Source MGI Symbol Acc MGI 88468
A11	UPFM093889 4	ENSMUST00000 087883.12	Col3a1	ENSMUSG00 000026043	collagen, type III, alpha 1 Source MGI Symbol Acc MGI 88453
A12	UPFM063323 2	ENSMUST00000 208386.1	Col4a1	ENSMUSG00 000031502	collagen, type IV, alpha 1 Source MGI Symbol Acc MGI 88454
B01	UPFM077676 4	ENSMUST00000 125563.7	Col4a3	ENSMUSG00 000079465	collagen, type IV, alpha 3 Source MGI Symbol Acc MGI 104688
B02	UPFM072934 5	ENSMUST00000 145423.1	Col5a1	ENSMUSG00 000026837	collagen, type V, alpha 1 Source MGI Symbol Acc MGI 88457
B03	UPFM069290 7	ENSMUST00000 131535.1	Col5a2	ENSMUSG00 000026042	collagen, type V, alpha 2 Source MGI Symbol Acc MGI 88458
B04	UPFM096507 2	ENSMUST00000 004201.7	Col5a3	ENSMUSG00 000004098	collagen, type V, alpha 3 Source MGI Symbol Acc MGI 1858212
B05	UPFM064031 3	ENSMUST00000 019060.5	Csf2	ENSMUSG00 000018916	colony stimulating factor 2 (granulocyte-macrophage) Source MGI Symbol Acc MGI 1339752
B06	UPFM089304 3	ENSMUST00000 038886.2	Csf3	ENSMUSG00 000038067	colony stimulating factor 3 (granulocyte) Source MGI Symbol Acc MGI 1339751
B07	UPFM087426 0	ENSMUST00000 176228.1	Ccn2	ENSMUSG00 000019997	cellular communication network factor 1 Source MGI Symbol Acc MGI 95537
B08	UPFM098586 3	ENSMUST00000 154356.7	Ctnnb1	ENSMUSG00 000006932	catenin (cadherin associated protein), beta 1 Source MGI Symbol Acc MGI 88276
B09	UPFM080277 7	ENSMUST00000 225312.1	Ctsg	ENSMUSG00 000040314	cathepsin G Source MGI Symbol Acc MGI 88563
B10	UPFM075734 4	ENSMUST00000 015664.4	Ctsk	ENSMUSG00 000028111	cathepsin K Source MGI Symbol Acc MGI 107823
B11	UPFM090433 9	ENSMUST00000 222971.1	Ctsl	ENSMUSG00 000021477	cathepsin L Source MGI Symbol Acc MGI 88564
B12	UPFM097448 9	ENSMUST00000 031327.8	Cxcl1	ENSMUSG00 000029380	chemokine (C-X-C motif) ligand 1 Source MGI Symbol Acc MGI 108068
C01	UPFM089321 1	ENSMUST00000 122808.1	Cxcl11	ENSMUSG00 000060183	chemokine (C-X-C motif) ligand 11 Source MGI Symbol Acc MGI 1860203
C02	UPFM117294 8	ENSMUST00000 031326.9	Cxcl3	ENSMUSG00 000029379	chemokine (C-X-C motif) ligand 3 Source MGI Symbol Acc MGI 3037818
C03	UPFM097509 7	ENSMUST00000 031318.5	Cxcl5	ENSMUSG00 000029371	chemokine (C-X-C motif) ligand 5 Source MGI Symbol Acc MGI 1096868
C04	UPFM092572 5	ENSMUST00000 199615.4	Egf	ENSMUSG00 000028017	epidermal growth factor Source MGI Symbol Acc MGI 95290
C05	UPFM080878 1	ENSMUST00000 125984.1	Egfr	ENSMUSG00 000020122	epidermal growth factor receptor Source MGI Symbol Acc MGI 95294
C06	UPFM067502 8	ENSMUST00000 037491.9	F13a1	ENSMUSG00 000039109	coagulation factor XIII, A1 subunit Source MGI Symbol Acc MGI 1921395
C07	UPFM098656 9	ENSMUST00000 029771.12	F3	ENSMUSG00 000028128	coagulation factor III Source MGI Symbol Acc MGI 88381
C08	UPFM077350 4	ENSMUST00000 166581.3	Fga	ENSMUSG00 000028001	fibrinogen alpha chain Source MGI Symbol Acc MGI 1316726
C09	UPFM068203 7	ENSMUST00000 128103.8	Fgf10	ENSMUSG00 000021732	fibroblast growth factor 10 Source MGI Symbol Acc MGI 1099809
C10	UPFM073062 9	ENSMUST00000 145228.1	Fgf2	ENSMUSG00 000037225	fibroblast growth factor 2 Source MGI Symbol Acc MGI 95516
	UPFM092996	ENSMUST00000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	9	110442.1	Fgf7	000027208	fibroblast growth factor 7 Source MGI Symbol Acc MGI 95521
C12	UPFM0812378	ENSMUST0000025363.6	Hbegf	ENSMUSG0000024486	heparin-binding EGF-like growth factor Source MGI Symbol Acc MGI 96070
D01	UPFM0813020	ENSMUST00000199900.1	Hgf	ENSMUSG0000028864	hepatocyte growth factor Source MGI Symbol Acc MGI 96079
D02	UPFM1172950	ENSMUST00000068592.4	lfng	ENSMUSG0000055170	interferon gamma Source MGI Symbol Acc MGI 107656
D03	UPFM0929418	ENSMUST00000121161.7	lgf1	ENSMUSG0000020053	insulin-like growth factor 1 Source MGI Symbol Acc MGI 96432
D04	UPFM1172951	ENSMUST00000016673.5	Il10	ENSMUSG0000016529	interleukin 10 Source MGI Symbol Acc MGI 96537
D05	UPFM0671281	ENSMUST00000155994.1	Il1b	ENSMUSG0000027398	interleukin 1 beta Source MGI Symbol Acc MGI 96543
D06	UPFM0822229	ENSMUST00000029275.5	Il2	ENSMUSG0000027720	interleukin 2 Source MGI Symbol Acc MGI 96548
D07	UPFM0959251	ENSMUST00000150568.7	Il4	ENSMUSG0000000869	interleukin 4 Source MGI Symbol Acc MGI 96556
D08	UPFM0729099	ENSMUST00000195978.4	Il6	ENSMUSG0000025746	interleukin 6 Source MGI Symbol Acc MGI 96559
D09	UPFM1002261	ENSMUST00000184445.7	Il6st	ENSMUSG0000021756	interleukin 6 signal transducer Source MGI Symbol Acc MGI 96560
D10	UPFM0900259	ENSMUST00000224493.1	Itga1	ENSMUSG0000042284	integrin alpha 1 Source MGI Symbol Acc MGI 96599
D11	UPFM0992888	ENSMUST00000224204.1	Itga2	ENSMUSG0000015533	integrin alpha 2 Source MGI Symbol Acc MGI 96600
D12	UPFM0765592	ENSMUST0000001548.13	Itga3	ENSMUSG0000001507	integrin alpha 3 Source MGI Symbol Acc MGI 96602
E01	UPFM0783200	ENSMUST00000099972.4	Itga4	ENSMUSG0000027009	integrin alpha 4 Source MGI Symbol Acc MGI 96603
E02	UPFM0788390	ENSMUST00000215331.1	Itga5	ENSMUSG0000000555	integrin alpha 5 (fibronectin receptor alpha) Source MGI Symbol Acc MGI 96604
E03	UPFM0745105	ENSMUST00000133124.7	Itga6	ENSMUSG0000027111	integrin alpha 6 Source MGI Symbol Acc MGI 96605
E04	UPFM0855247	ENSMUST00000028499.10	Itgav	ENSMUSG0000027087	integrin alpha V Source MGI Symbol Acc MGI 96608
E05	UPFM0934656	ENSMUST00000124826.1	Itgb1	ENSMUSG0000025809	integrin beta 1 (fibronectin receptor beta) Source MGI Symbol Acc MGI 96610
E06	UPFM0799616	ENSMUST00000127140.2	Itgb3	ENSMUSG0000020689	integrin beta 3 Source MGI Symbol Acc MGI 96612
E07	UPFM0851206	ENSMUST00000134262.7	Itgb5	ENSMUSG0000022817	integrin beta 5 Source MGI Symbol Acc MGI 96614
E08	UPFM0630108	ENSMUST00000154764.1	Itgb6	ENSMUSG0000026971	integrin beta 6 Source MGI Symbol Acc MGI 96615
E09	UPFM0666259	ENSMUST00000232611.1	Mapk1	ENSMUSG0000063358	mitogen-activated protein kinase 1 Source MGI Symbol Acc MGI 1346858
E10	UPFM0940299	ENSMUST00000205657.1	Mapk3	ENSMUSG0000063065	mitogen-activated protein kinase 3 Source MGI Symbol Acc MGI 1346859
E11	UPFM1172941	ENSMUST00000038169.7	Mif	ENSMUSG0000033307	macrophage migration inhibitory factor (glycosylation-inhibiting factor) Source MGI Symbol Acc MGI 96982
E12	UPFM0937360	ENSMUST00000217651.1	Mmp1a	ENSMUSG0000043089	matrix metalloproteinase 1a (interstitial collagenase) Source MGI Symbol Acc MGI 1933846
F01	UPFM0737374	ENSMUST00000211567.1	Mmp2	ENSMUSG0000031740	matrix metalloproteinase 2 Source MGI Symbol Acc MGI 97009
F02	UPFM0900071	ENSMUST00000018767.7	Mmp7	ENSMUSG0000018623	matrix metalloproteinase 7 Source MGI Symbol Acc MGI 103189
F03	UPFM0799308	ENSMUST00000017881.2	Mmp9	ENSMUSG0000017737	matrix metalloproteinase 9 Source MGI Symbol Acc MGI 97011
F04	UPFM0900470	ENSMUST00000110896.1	Pdgfa	ENSMUSG0000025856	platelet derived growth factor, alpha Source MGI Symbol Acc MGI 97527
F05	UPFM0932047	ENSMUST00000033941.6	Plat	ENSMUSG0000031538	plasminogen activator, tissue Source MGI Symbol Acc MGI 97610
F06	UPFM0836616	ENSMUST00000224141.1	Plau	ENSMUSG0000021822	plasminogen activator, urokinase Source MGI Symbol Acc MGI 97611
F07	UPFM0918896	ENSMUST00000206636.1	Plaur	ENSMUSG0000046223	plasminogen activator, urokinase receptor Source MGI Symbol Acc MGI 97612
F08	UPFM0805374	ENSMUST00000232767.1	Plg	ENSMUSG0000059481	plasminogen Source MGI Symbol Acc MGI 97620
F09	UPFM0897426	ENSMUST00000013807.7	Pten	ENSMUSG0000013663	phosphatase and tensin homolog Source MGI Symbol Acc MGI 109583
F10	UPFM1004492	ENSMUST00000190784.1	Ptgs2	ENSMUSG0000032487	prostaglandin-endoperoxide synthase 2 Source MGI Symbol Acc MGI 97798

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM096241 9	ENSMUST00000 131513.1	Rac1	ENSMUSG00 000001847	Rac family small GTPase 1 Source MGI Symbol Acc MGI 97845
F12	UPFM080926 1	ENSMUST00000 007959.13	Rhoa	ENSMUSG00 000007815	ras homolog family member A Source MGI Symbol Acc MGI 1096342
G01	UPFM070788 6	ENSMUST00000 041388.10	Serpine1	ENSMUSG00 000037411	serine (or cysteine) peptidase inhibitor, clade E, member 1 Source MGI Symbol Acc MGI 97608
G02	UPFM098484 5	ENSMUST00000 092671.11	Stat3	ENSMUSG00 000004040	signal transducer and activator of transcription 3 Source MGI Symbol Acc MGI 103038
G03	UPFM079487 9	ENSMUST00000 215509.1	Tagln	ENSMUSG00 000032085	transgelin Source MGI Symbol Acc MGI 106012
G04	UPFM083464 2	ENSMUST00000 192058.3	Tgfa	ENSMUSG00 000029999	transforming growth factor alpha Source MGI Symbol Acc MGI 98724
G05	UPFM066688 0	ENSMUST00000 171757.1	Tgfb1	ENSMUSG00 000002603	transforming growth factor, beta 1 Source MGI Symbol Acc MGI 98725
G06	UPFM085655 8	ENSMUST00000 031224.14	Tgfb3	ENSMUSG00 000029287	transforming growth factor, beta receptor III Source MGI Symbol Acc MGI 104637
G07	UPFM079676 3	ENSMUST00000 009530.4	Timp1	ENSMUSG00 000001131	tissue inhibitor of metalloproteinase 1 Source MGI Symbol Acc MGI 98752
G08	UPFM063847 1	ENSMUST00000 025263.14	Tnf	ENSMUSG00 000024401	tumor necrosis factor Source MGI Symbol Acc MGI 104798
G09	UPFM117296 6	ENSMUST00000 214739.1	Vegfa	ENSMUSG00 000023951	vascular endothelial growth factor A Source MGI Symbol Acc MGI 103178
G10	UPFM081151 3	ENSMUST00000 146997.1	Vtn	ENSMUSG00 000017344	vitronectin Source MGI Symbol Acc MGI 98940
G11	UPFM078330 9	ENSMUST00000 229246.1	Ccn4	ENSMUSG00 000005124	cellular communication network factor 4 Source MGI Symbol Acc MGI 1197008
G12	UPFM099069 5	ENSMUST00000 063465.11	Wnt5a	ENSMUSG00 000021994	wingless-type MMTV integration site family, member 5A Source MGI Symbol Acc MGI 98958
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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