

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

Mouse Growth Factors

Cat. no. 249955 UPMM-041ZR

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	Amh	Artn	Bdnf	Bmp1	Bmp10	Bmp2	Bmp3	Bmp4	Bmp5	Bmp6	Bmp7	Bmp8a
B	Bmp8b	Csf1	Csf2	Csf3	Cxcl1	Cxcl12	Egf	Ereg	Fgf1	Fgf10	Fgf11	Fgf13
C	Fgf14	Fgf15	Fgf17	Fgf18	Fgf2	Fgf22	Fgf3	Fgf4	Fgf5	Fgf6	Fgf7	Fgf8
D	Fgf9	Vegfd	Gdf10	Gdf11	Gdf5	Gdnf	Hgf	Igf1	Igf2	Il11	Il12a	Il18
E	Il1a	Il1b	Il2	Il3	Il4	Il6	Il7	Inha	Inhba	Inhbb	Kitl	Lefty1
F	Lefty2	Lep	Lif	Mdk	Mstn	Ngf	Nodal	Nif3	Nif5	Pdgfra	Pgf	Robep1
G	S100a6	Spp1	Tdgf1	Tff1	Tgfa	Tgfb1	Tgfb2	Tgfb3	Vegfa	Vegfb	Vegfc	Zfp91
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	UPFM065734 5	ENSMUST00000 036016.5	Amh	ENSMUSG00 000035262	anti-Mullerian hormone Source MGI Symbol Acc MGI 88006
A02	UPFM099788 0	ENSMUST00000 133703.7	Artn	ENSMUSG00 000028539	artemin Source MGI Symbol Acc MGI 1333791
A03	UPFM085815 5	ENSMUST00000 111049.8	Bdnf	ENSMUSG00 000048482	brain derived neurotrophic factor Source MGI Symbol Acc MGI 88145
A04	UPFM075622 5	ENSMUST00000 227944.1	Bmp1	ENSMUSG00 000022098	bone morphogenetic protein 1 Source MGI Symbol Acc MGI 88176
A05	UPFM100058 4	ENSMUST00000 032125.6	Bmp10	ENSMUSG00 000030046	bone morphogenetic protein 10 Source MGI Symbol Acc MGI 1338820
A06	UPFM117294 5	ENSMUST00000 028836.6	Bmp2	ENSMUSG00 000027358	bone morphogenetic protein 2 Source MGI Symbol Acc MGI 88177
A07	UPFM080866 5	ENSMUST00000 031278.5	Bmp3	ENSMUSG00 000029335	bone morphogenetic protein 3 Source MGI Symbol Acc MGI 88179
A08	UPFM097472 7	ENSMUST00000 100676.2	Bmp4	ENSMUSG00 000021835	bone morphogenetic protein 4 Source MGI Symbol Acc MGI 88180
A09	UPFM087909 3	ENSMUST00000 012281.7	Bmp5	ENSMUSG00 000032179	bone morphogenetic protein 5 Source MGI Symbol Acc MGI 88181
A10	UPFM088089 8	ENSMUST00000 171970.2	Bmp6	ENSMUSG00 000039004	bone morphogenetic protein 6 Source MGI Symbol Acc MGI 88182
A11	UPFM093035 6	ENSMUST00000 009143.7	Bmp7	ENSMUSG00 000008999	bone morphogenetic protein 7 Source MGI Symbol Acc MGI 103302
A12	UPFM079180 6	ENSMUST00000 102641.9	Bmp8a	ENSMUSG00 000032726	bone morphogenetic protein 8a Source MGI Symbol Acc MGI 104515
B01	UPFM099929 3	ENSMUST00000 002457.1	Bmp8b	ENSMUSG00 000002384	bone morphogenetic protein 8b Source MGI Symbol Acc MGI 107335
B02	UPFM064393 3	ENSMUST00000 155557.1	Csf1	ENSMUSG00 000014599	colony stimulating factor 1 (macrophage) Source MGI Symbol Acc MGI 1339753
B03	UPFM064031 3	ENSMUST00000 019060.5	Csf2	ENSMUSG00 000018916	colony stimulating factor 2 (granulocyte-macrophage) Source MGI Symbol Acc MGI 1339752
B04	UPFM089304 3	ENSMUST00000 038886.2	Csf3	ENSMUSG00 000038067	colony stimulating factor 3 (granulocyte) Source MGI Symbol Acc MGI 1339751
B05	UPFM097448 9	ENSMUST00000 031327.8	Cxcl1	ENSMUSG00 000029380	chemokine (C-X-C motif) ligand 1 Source MGI Symbol Acc MGI 108068
B06	UPFM084136 8	ENSMUST00000 112871.7	Cxcl12	ENSMUSG00 000061353	chemokine (C-X-C motif) ligand 12 Source MGI Symbol Acc MGI 103556
B07	UPFM092572 5	ENSMUST00000 199615.4	Egf	ENSMUSG00 000028017	epidermal growth factor Source MGI Symbol Acc MGI 95290
B08	UPFM069297 7	ENSMUST00000 031324.5	Ereg	ENSMUSG00 000029377	epiregulin Source MGI Symbol Acc MGI 107508
B09	UPFM088976 4	ENSMUST00000 139972.1	Fgf1	ENSMUSG00 000036585	fibroblast growth factor 1 Source MGI Symbol Acc MGI 95515
B10	UPFM068203 7	ENSMUST00000 128103.8	Fgf10	ENSMUSG00 000021732	fibroblast growth factor 10 Source MGI Symbol Acc MGI 1099809
B11	UPFM089536 0	ENSMUST00000 102585.1	Fgf11	ENSMUSG00 000042826	fibroblast growth factor 11 Source MGI Symbol Acc MGI 109167
B12	UPFM094684 9	ENSMUST00000 033473.11	Fgf13	ENSMUSG00 000031137	fibroblast growth factor 13 Source MGI Symbol Acc MGI 109178
C01	UPFM081076 9	ENSMUST00000 026631.5	Fgf14	ENSMUSG00 000025551	fibroblast growth factor 14 Source MGI Symbol Acc MGI 109189
C02	UPFM097977 4	ENSMUST00000 033389.6	Fgf15	ENSMUSG00 000031073	fibroblast growth factor 15 Source MGI Symbol Acc MGI 1096383
C03	UPFM070747 2	ENSMUST00000 227123.1	Fgf17	ENSMUSG00 000022101	fibroblast growth factor 17 Source MGI Symbol Acc MGI 1202401
C04	UPFM075003 0	ENSMUST00000 020507.7	Fgf18	ENSMUSG00 000057967	fibroblast growth factor 18 Source MGI Symbol Acc MGI 1277980
C05	UPFM073062 9	ENSMUST00000 145228.1	Fgf2	ENSMUSG00 000037225	fibroblast growth factor 2 Source MGI Symbol Acc MGI 95516
C06	UPFM080164 7	ENSMUST00000 020577.3	Fgf22	ENSMUSG00 000020327	fibroblast growth factor 22 Source MGI Symbol Acc MGI 1914362
C07	UPFM062442 1	ENSMUST00000 155320.7	Fgf3	ENSMUSG00 000031074	fibroblast growth factor 3 Source MGI Symbol Acc MGI 95517
C08	UPFM100139 4	ENSMUST00000 208265.1	Fgf4	ENSMUSG00 000050917	fibroblast growth factor 4 Source MGI Symbol Acc MGI 95518
C09	UPFM100762 7	ENSMUST00000 200059.1	Fgf5	ENSMUSG00 000029337	fibroblast growth factor 5 Source MGI Symbol Acc MGI 95519
C10	UPFM097519 7	ENSMUST00000 000187.6	Fgf6	ENSMUSG00 000000183	fibroblast growth factor 6 Source MGI Symbol Acc MGI 95520
	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	UPFM065693 4	ENSMUST00000 026241.11	Fgf8	ENSMUSG00 000025219	fibroblast growth factor 8 Source MGI Symbol Acc MGI 99604
D01	UPFM090325 3	ENSMUST00000 074654.11	Fgf9	ENSMUSG00 000021974	fibroblast growth factor 9 Source MGI Symbol Acc MGI 104723
D02	UPFM097949 5	ENSMUST00000 033751.7	Vegfd	ENSMUSG00 000031380	vascular endothelial growth factor D Source MGI Symbol Acc MGI 108037
D03	UPFM095476 8	ENSMUST00000 168727.2	Gdf10	ENSMUSG00 000021943	growth differentiation factor 10 Source MGI Symbol Acc MGI 95684
D04	UPFM072530 1	ENSMUST00000 026408.6	Gdf11	ENSMUSG00 000025352	growth differentiation factor 11 Source MGI Symbol Acc MGI 1338027
D05	UPFM098496 0	ENSMUST00000 040162.2	Gdf5	ENSMUSG00 000038259	growth differentiation factor 5 Source MGI Symbol Acc MGI 95688
D06	UPFM079126 9	ENSMUST00000 022744.4	Gdnf	ENSMUSG00 000022144	glial cell line derived neurotrophic factor Source MGI Symbol Acc MGI 107430
D07	UPFM081302 0	ENSMUST00000 199900.1	Hgf	ENSMUSG00 000028864	hepatocyte growth factor Source MGI Symbol Acc MGI 96079
D08	UPFM092941 8	ENSMUST00000 121161.7	Igf1	ENSMUSG00 000020053	insulin-like growth factor 1 Source MGI Symbol Acc MGI 96432
D09	UPFM080008 1	ENSMUST00000 000033.11	Igf2	ENSMUSG00 000048583	insulin-like growth factor 2 Source MGI Symbol Acc MGI 96434
D10	UPFM083567 7	ENSMUST00000 163481.2	Il11	ENSMUSG00 000004371	interleukin 11 Source MGI Symbol Acc MGI 107613
D11	UPFM083114 0	ENSMUST00000 029345.11	Il12a	ENSMUSG00 000027776	interleukin 12a Source MGI Symbol Acc MGI 96539
D12	UPFM093943 0	ENSMUST00000 180021.1	Il18	ENSMUSG00 000039217	interleukin 18 Source MGI Symbol Acc MGI 107936
E01	UPFM090388 7	ENSMUST00000 028882.1	Il1a	ENSMUSG00 000027399	interleukin 1 alpha Source MGI Symbol Acc MGI 96542
E02	UPFM067128 1	ENSMUST00000 155994.1	Il1b	ENSMUSG00 000027398	interleukin 1 beta Source MGI Symbol Acc MGI 96543
E03	UPFM082222 9	ENSMUST00000 029275.5	Il2	ENSMUSG00 000027720	interleukin 2 Source MGI Symbol Acc MGI 96548
E04	UPFM084591 6	ENSMUST00000 019058.5	Il3	ENSMUSG00 000018914	interleukin 3 Source MGI Symbol Acc MGI 96552
E05	UPFM095925 1	ENSMUST00000 150568.7	Il4	ENSMUSG00 000000869	interleukin 4 Source MGI Symbol Acc MGI 96556
E06	UPFM072909 9	ENSMUST00000 195978.4	Il6	ENSMUSG00 000025746	interleukin 6 Source MGI Symbol Acc MGI 96559
E07	UPFM091608 1	ENSMUST00000 194279.5	Il7	ENSMUSG00 000040329	interleukin 7 Source MGI Symbol Acc MGI 96561
E08	UPFM084920 1	ENSMUST00000 037330.4	Inha	ENSMUSG00 000032968	inhibin alpha Source MGI Symbol Acc MGI 96569
E09	UPFM081117 7	ENSMUST00000 164993.1	Inhba	ENSMUSG00 000041324	inhibin beta-A Source MGI Symbol Acc MGI 96570
E10	UPFM090440 3	ENSMUST00000 038765.5	Inhbb	ENSMUSG00 000037035	inhibin beta-B Source MGI Symbol Acc MGI 96571
E11	UPFM094688 5	ENSMUST00000 105283.8	Kitl	ENSMUSG00 000019966	kit ligand Source MGI Symbol Acc MGI 96974
E12	UPFM089745 7	ENSMUST00000 132087.1	Lefty1	ENSMUSG00 000038793	left right determination factor 1 Source MGI Symbol Acc MGI 107405
F01	UPFM078022 9	ENSMUST00000 085797.5	Lefty2	ENSMUSG00 000066652	left-right determination factor 2 Source MGI Symbol Acc MGI 2443573
F02	UPFM068614 7	ENSMUST00000 169505.1	Lep	ENSMUSG00 000059201	leptin Source MGI Symbol Acc MGI 104663
F03	UPFM093122 5	ENSMUST00000 066283.11	Lif	ENSMUSG00 000034394	leukemia inhibitory factor Source MGI Symbol Acc MGI 96787
F04	UPFM064639 8	ENSMUST00000 069423.12	Mdk	ENSMUSG00 000027239	midkine Source MGI Symbol Acc MGI 96949
F05	UPFM077870 5	ENSMUST00000 027269.6	Mstn	ENSMUSG00 000026100	myostatin Source MGI Symbol Acc MGI 95691
F06	UPFM075829 0	ENSMUST00000 106925.8	Ngf	ENSMUSG00 000027859	nerve growth factor Source MGI Symbol Acc MGI 97321
F07	UPFM079984 2	ENSMUST00000 049339.6	Nodal	ENSMUSG00 000037171	nodal Source MGI Symbol Acc MGI 97359
F08	UPFM082388 6	ENSMUST00000 112244.7	Nhf3	ENSMUSG00 000049107	neurotrophin 3 Source MGI Symbol Acc MGI 97380
F09	UPFM081039 0	ENSMUST00000 058879.7	Nhf5	ENSMUSG00 000074121	neurotrophin 5 Source MGI Symbol Acc MGI 97381
F10	UPFM090047 0	ENSMUST00000 110896.1	Pdgfa	ENSMUSG00 000025856	platelet derived growth factor, alpha Source MGI Symbol Acc MGI 97527

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM0804578	ENSMUST00000222850.1	Pgf	ENSMUSG0000004791	placental growth factor Source MGI Symbol Acc MGI 105095
F12	UPFM0771160	ENSMUST00000100928.10	Rabep1	ENSMUSG0000020817	rabaptin, RAB GTPase binding effector protein 1 Source MGI Symbol Acc MGI 1860236
G01	UPFM0994687	ENSMUST00000200289.1	S100a6	ENSMUSG0000001025	S100 calcium binding protein A6 (calcyclin) Source MGI Symbol Acc MGI 1339467
G02	UPFM0759249	ENSMUST00000112746.7	Spp1	ENSMUSG0000029304	secreted phosphoprotein 1 Source MGI Symbol Acc MGI 98389
G03	UPFM0990011	ENSMUST00000035075.12	Tdgf1	ENSMUSG0000032494	teratocarcinoma-derived growth factor 1 Source MGI Symbol Acc MGI 98658
G04	UPFM0630627	ENSMUST00000024831.7	Tff1	ENSMUSG0000024032	trefoil factor 1 Source MGI Symbol Acc MGI 88135
G05	UPFM0834642	ENSMUST00000192058.3	Tgfa	ENSMUSG0000029999	transforming growth factor alpha Source MGI Symbol Acc MGI 98724
G06	UPFM0666880	ENSMUST00000171757.1	Tgfb1	ENSMUSG0000002603	transforming growth factor, beta 1 Source MGI Symbol Acc MGI 98725
G07	UPFM0731166	ENSMUST00000045288.13	Tgfb2	ENSMUSG0000039239	transforming growth factor, beta 2 Source MGI Symbol Acc MGI 98726
G08	UPFM0867376	ENSMUST00000003687.7	Tgfb3	ENSMUSG0000021253	transforming growth factor, beta 3 Source MGI Symbol Acc MGI 98727
G09	UPFM1172966	ENSMUST00000214739.1	Vegfa	ENSMUSG0000023951	vascular endothelial growth factor A Source MGI Symbol Acc MGI 103178
G10	UPFM0857616	ENSMUST00000025914.6	Vegfb	ENSMUSG0000024962	vascular endothelial growth factor B Source MGI Symbol Acc MGI 106199
G11	UPFM0676696	ENSMUST00000210831.1	Vegfc	ENSMUSG0000031520	vascular endothelial growth factor C Source MGI Symbol Acc MGI 109124
G12	UPFM0968038	ENSMUST00000137256.1	Zfp91	ENSMUSG0000024695	zinc finger protein 91 Source MGI Symbol Acc MGI 104854
H01	UPFM1132946	ENSMUST00000163829.1	Actb	ENSMUSG0000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	UPFM1132947	ENSMUST00000102476.4	B2m	ENSMUSG0000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	UPFM1132948	ENSMUST00000117757.8	Gapdh	ENSMUSG0000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	UPFM1132949	ENSMUST00000026613.13	Gusb	ENSMUSG0000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	UPFM1132950	ENSMUST00000166469.7	Hsp90ab1	ENSMUSG0000023944	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 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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