

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

Mouse Neurotrophins & Receptors

Cat. no. 249955 UPMM-031ZR

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	Adcyap1r1	Artn	Bax	Bcl2	Bdnf	Cbln1	Cckar	Cd40	Cnlf	Cnlf	Crh	Crhbp
B	Crhr1	Crhr2	Cx3cr1	Cxcr4	Fos	Fgf2	Fgf9	Fgfr1	Fos	Frs2	Frs3	Fus
C	Gahr1	Gahr2	Gdnf	Gfra1	Gfra2	Gfra3	Gmfb	Gmfg	Grpr	Hcrt	Hcrt1	Hcrt2
D	Hspb1	Il10	Il10ra	Il1b	Il1r1	Il6	Il6ra	Il6st	Lif	Lifr	Maged1	Mc2r
E	Mef2c	Mt3	Myc	Nf1	Ngf	Ngfr	Bex3	Nmbr	Npff	Npffr2	Npy	Npy1r
F	Npy2r	Nr1h2	Nrg1	Nrg4	Ntf3	Ntf5	Ntrk1	Ntrk2	Ntsr1	Npy4r	Pspn	Ptger2
G	Stat1	Stat2	Stat3	Stat4	Tacr1	Tfgr	Tgfa	Tgfb1	Tgfb1i1	Tro	Trp53	Ucn
H	Actb	B2m	Gapdh	Gusb	Hsp90ab1	MGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA Probe PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFM090398 1	ENSMUST00000 165786.1	Adcyap1r1	ENSMUSG00 000029778	adenylate cyclase activating polypeptide 1 receptor 1 Source MGI Symbol Acc MGI 108449
A02	UPFM099788 0	ENSMUST00000 133703.7	Artn	ENSMUSG00 000028539	artemin Source MGI Symbol Acc MGI 1333791
A03	UPFM090386 1	ENSMUST00000 211195.1	Bax	ENSMUSG00 000003873	BCL2-associated X protein Source MGI Symbol Acc MGI 99702
A04	UPFM063585 3	ENSMUST00000 112751.1	Bcl2	ENSMUSG00 000057329	B cell leukemia/lymphoma 2 Source MGI Symbol Acc MGI 88138
A05	UPFM085815 5	ENSMUST00000 111049.8	Bdnf	ENSMUSG00 000048482	brain derived neurotrophic factor Source MGI Symbol Acc MGI 88145
A06	UPFM079603 8	ENSMUST00000 034076.15	Cbln1	ENSMUSG00 000031654	cerebellin 1 precursor protein Source MGI Symbol Acc MGI 88281
A07	UPFM088554 0	ENSMUST00000 031093.4	Cckar	ENSMUSG00 000029193	cholecystokinin A receptor Source MGI Symbol Acc MGI 99478
A08	UPFM072215 7	ENSMUST00000 153105.1	Cd40	ENSMUSG00 000017652	CD40 antigen Source MGI Symbol Acc MGI 88336
A09	UPFM078080 1	ENSMUST00000 112933.1	Cntf	ENSMUSG00 000079415	ciliary neurotrophic factor Source MGI Symbol Acc MGI 88439
A10	UPFM080000 3	ENSMUST00000 102961.9	Cnfr	ENSMUSG00 000028444	ciliary neurotrophic factor receptor Source MGI Symbol Acc MGI 99605
A11	UPFM094272 2	ENSMUST00000 061294.4	Crh	ENSMUSG00 000049796	corticotropin releasing hormone Source MGI Symbol Acc MGI 88496
A12	UPFM068929 9	ENSMUST00000 045583.8	Crhbp	ENSMUSG00 000021680	corticotropin releasing hormone binding protein Source MGI Symbol Acc MGI 88497
B01	UPFM087440 4	ENSMUST00000 093925.4	Crhr1	ENSMUSG00 000018634	corticotropin releasing hormone receptor 1 Source MGI Symbol Acc MGI 88498
B02	UPFM093165 3	ENSMUST00000 212633.1	Crhr2	ENSMUSG00 000003476	corticotropin releasing hormone receptor 2 Source MGI Symbol Acc MGI 894312
B03	UPFM090665 5	ENSMUST00000 215016.1	Cx3cr1	ENSMUSG00 000052336	chemokine (C-X3-C motif) receptor 1 Source MGI Symbol Acc MGI 1333815
B04	UPFM077457 5	ENSMUST00000 052172.6	Cxcr4	ENSMUSG00 000045382	chemokine (C-X-C motif) receptor 4 Source MGI Symbol Acc MGI 109563
B05	UPFM099578 7	ENSMUST00000 235709.1	Fas	ENSMUSG00 000024778	Fas (TNF receptor superfamily member 6) Source MGI Symbol Acc MGI 95484
B06	UPFM073062 9	ENSMUST00000 145228.1	Fgf2	ENSMUSG00 000037225	fibroblast growth factor 2 Source MGI Symbol Acc MGI 95516
B07	UPFM090325 3	ENSMUST00000 074654.11	Fgf9	ENSMUSG00 000021974	fibroblast growth factor 9 Source MGI Symbol Acc MGI 104723
B08	UPFM073988 3	ENSMUST00000 167764.1	Fgfr1	ENSMUSG00 000031565	fibroblast growth factor receptor 1 Source MGI Symbol Acc MGI 95522
B09	UPFM076456 3	ENSMUST00000 136122.7	Fos	ENSMUSG00 000021250	FBJ osteosarcoma oncogene Source MGI Symbol Acc MGI 95574
B10	UPFM070278 8	ENSMUST00000 218868.1	Frs2	ENSMUSG00 000020170	fibroblast growth factor receptor substrate 2 Source MGI Symbol Acc MGI 1100860
B11	UPFM065996 7	ENSMUST00000 113296.7	Frs3	ENSMUSG00 000023266	fibroblast growth factor receptor substrate 3 Source MGI Symbol Acc MGI 2135965
B12	UPFM086647 0	ENSMUST00000 128851.7	Fus	ENSMUSG00 000030795	fused in sarcoma Source MGI Symbol Acc MGI 1353633
C01	UPFM086463 5	ENSMUST00000 065224.7	Galr1	ENSMUSG00 000024553	galanin receptor 1 Source MGI Symbol Acc MGI 1096364
C02	UPFM099480 1	ENSMUST00000 055872.2	Galr2	ENSMUSG00 000020793	galanin receptor 2 Source MGI Symbol Acc MGI 1337018
C03	UPFM079126 9	ENSMUST00000 022744.4	Gdnf	ENSMUSG00 000022144	glial cell line derived neurotrophic factor Source MGI Symbol Acc MGI 107430
C04	UPFM063496 3	ENSMUST00000 152507.7	Gfra1	ENSMUSG00 000025089	glial cell line derived neurotrophic factor family receptor alpha 1 Source MGI Symbol Acc MGI 1100842
C05	UPFM082830 9	ENSMUST00000 227633.1	Gfra2	ENSMUSG00 000022103	glial cell line derived neurotrophic factor family receptor alpha 2 Source MGI Symbol Acc MGI 1195462
C06	UPFM078171 7	ENSMUST00000 025224.8	Gfra3	ENSMUSG00 000024366	glial cell line derived neurotrophic factor family receptor alpha 3 Source MGI Symbol Acc MGI 1201403
C07	UPFM097722 0	ENSMUST00000 111817.7	Gmfb	ENSMUSG00 000062014	glia maturation factor, beta Source MGI Symbol Acc MGI 1927133
C08	UPFM077001 8	ENSMUST00000 108292.8	Gmfg	ENSMUSG00 000060791	glia maturation factor, gamma Source MGI Symbol Acc MGI 1927135
C09	UPFM088853 2	ENSMUST00000 033730.2	Grpr	ENSMUSG00 000031364	gastrin releasing peptide receptor Source MGI Symbol Acc MGI 95836
C10	UPFM072207 5	ENSMUST00000 107360.2	Hcrt	ENSMUSG00 000045471	hypocretin Source MGI Symbol Acc MGI 1202306
	UPFM067856	ENSMUST00000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	8	164887.2	Hctr1	000028778	hypocretin (orexin) receptor 1 Source MGI Symbol Acc MGI 2385650
C12	UPFM089540 1	ENSMUST00000 184757.1	Hctr2	ENSMUSG00 000032360	hypocretin (orexin) receptor 2 Source MGI Symbol Acc MGI 2680765
D01	UPFM101003 5	ENSMUST00000 005077.6	Hspb1	ENSMUSG00 000004951	heat shock protein 1 Source MGI Symbol Acc MGI 96240
D02	UPFM117295 1	ENSMUST00000 016673.5	Il10	ENSMUSG00 000016529	interleukin 10 Source MGI Symbol Acc MGI 96537
D03	UPFM066700 7	ENSMUST00000 176222.1	Il10ra	ENSMUSG00 000032089	interleukin 10 receptor, alpha Source MGI Symbol Acc MGI 96538
D04	UPFM067128 1	ENSMUST00000 155994.1	Il1b	ENSMUSG00 000027398	interleukin 1 beta Source MGI Symbol Acc MGI 96543
D05	UPFM070319 9	ENSMUST00000 114795.2	Il1r1	ENSMUSG00 000026072	interleukin 1 receptor, type I Source MGI Symbol Acc MGI 96545
D06	UPFM072909 9	ENSMUST00000 195978.4	Il6	ENSMUSG00 000025746	interleukin 6 Source MGI Symbol Acc MGI 96559
D07	UPFM100017 7	ENSMUST00000 029559.6	Il6ra	ENSMUSG00 000027947	interleukin 6 receptor, alpha Source MGI Symbol Acc MGI 105304
D08	UPFM100226 1	ENSMUST00000 184445.7	Il6st	ENSMUSG00 000021756	interleukin 6 signal transducer Source MGI Symbol Acc MGI 96560
D09	UPFM093122 5	ENSMUST00000 066283.11	Lif	ENSMUSG00 000034394	leukemia inhibitory factor Source MGI Symbol Acc MGI 96787
D10	UPFM095922 0	ENSMUST00000 171588.1	Lifr	ENSMUSG00 000054263	LIF receptor alpha Source MGI Symbol Acc MGI 96788
D11	UPFM078397 8	ENSMUST00000 138731.1	Maged1	ENSMUSG00 000025151	melanoma antigen, family D, 1 Source MGI Symbol Acc MGI 1930187
D12	UPFM074973 9	ENSMUST00000 052347.7	Mc2r	ENSMUSG00 000045569	melanocortin 2 receptor Source MGI Symbol Acc MGI 96928
E01	UPFM062873 4	ENSMUST00000 199262.1	Mef2c	ENSMUSG00 000005583	myocyte enhancer factor 2C Source MGI Symbol Acc MGI 99458
E02	UPFM088507 0	ENSMUST00000 211915.1	Mt3	ENSMUSG00 000031760	metallothionein 3 Source MGI Symbol Acc MGI 97173
E03	UPFM081421 4	ENSMUST00000 161976.7	Myc	ENSMUSG00 000022346	myelocytomatosis oncogene Source MGI Symbol Acc MGI 97250
E04	UPFM099655 1	ENSMUST00000 122917.7	Nf1	ENSMUSG00 000020716	neurofibromin 1 Source MGI Symbol Acc MGI 97306
E05	UPFM075829 0	ENSMUST00000 106925.8	Ngf	ENSMUSG00 000027859	nerve growth factor Source MGI Symbol Acc MGI 97321
E06	UPFM092680 2	ENSMUST00000 000122.6	Ngfr	ENSMUSG00 000000120	nerve growth factor receptor (TNFR superfamily, member 16) Source MGI Symbol Acc MGI 97323
E07	UPFM089644 1	ENSMUST00000 113112.1	Bex3	ENSMUSG00 000046432	brain expressed X-linked 3 Source MGI Symbol Acc MGI 1338016
E08	UPFM080591 5	ENSMUST00000 188021.6	Nmbr	ENSMUSG00 000019865	neuromedin B receptor Source MGI Symbol Acc MGI 1100525
E09	UPFM100801 9	ENSMUST00000 023814.8	Npff	ENSMUSG00 000023052	neuropeptide FF-amide peptide precursor Source MGI Symbol Acc MGI 1891708
E10	UPFM066428 6	ENSMUST00000 048557.2	Npffr2	ENSMUSG00 000035528	neuropeptide FF receptor 2 Source MGI Symbol Acc MGI 1860130
E11	UPFM082608 4	ENSMUST00000 031843.6	Npy	ENSMUSG00 000029819	neuropeptide Y Source MGI Symbol Acc MGI 97374
E12	UPFM089859 6	ENSMUST00000 039303.6	Npy1r	ENSMUSG00 000036437	neuropeptide Y receptor Y1 Source MGI Symbol Acc MGI 104963
F01	UPFM069283 3	ENSMUST00000 029633.4	Npy2r	ENSMUSG00 000028004	neuropeptide Y receptor Y2 Source MGI Symbol Acc MGI 108418
F02	UPFM093002 3	ENSMUST00000 023504.4	Nr1i2	ENSMUSG00 000022809	nuclear receptor subfamily 1, group I, member 2 Source MGI Symbol Acc MGI 1337040
F03	UPFM070947 9	ENSMUST00000 207470.1	Nrg1	ENSMUSG00 000062991	neuregulin 1 Source MGI Symbol Acc MGI 96083
F04	UPFM062778 9	ENSMUST00000 137675.7	Nrg4	ENSMUSG00 000032311	neuregulin 4 Source MGI Symbol Acc MGI 1933833
F05	UPFM082388 6	ENSMUST00000 112244.7	Ntf3	ENSMUSG00 000049107	neurotrophin 3 Source MGI Symbol Acc MGI 97380
F06	UPFM081039 0	ENSMUST00000 058879.7	Ntf5	ENSMUSG00 000074121	neurotrophin 5 Source MGI Symbol Acc MGI 97381
F07	UPFM089949 8	ENSMUST00000 029712.4	Ntrk1	ENSMUSG00 000028072	neurotrophic tyrosine kinase, receptor, type 1 Source MGI Symbol Acc MGI 97383
F08	UPFM086215 7	ENSMUST00000 225583.1	Ntrk2	ENSMUSG00 000055254	neurotrophic tyrosine kinase, receptor, type 2 Source MGI Symbol Acc MGI 97384
F09	UPFM079696 1	ENSMUST00000 170448.1	Ntsr1	ENSMUSG00 000027568	neurotensin receptor 1 Source MGI Symbol Acc MGI 97386
F10	UPFM073620 7	ENSMUST00000 052164.3	Npy4r	ENSMUSG00 000048337	neuropeptide Y receptor Y4 Source MGI Symbol Acc MGI 105374

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM099527 4	ENSMUST00000 002740.2	Pspn	ENSMUSG00 000002664	persephin Source MGI Symbol Acc MGI 1201684
F12	UPFM081143 0	ENSMUST00000 046891.5	Ptger2	ENSMUSG00 000037759	prostaglandin E receptor 2 (subtype EP2) Source MGI Symbol Acc MGI 97794
G01	UPFM071531 5	ENSMUST00000 186574.6	Stat1	ENSMUSG00 000026104	signal transducer and activator of transcription 1 Source MGI Symbol Acc MGI 103063
G02	UPFM064876 8	ENSMUST00000 217852.1	Stat2	ENSMUSG00 000040033	signal transducer and activator of transcription 2 Source MGI Symbol Acc MGI 103039
G03	UPFM098484 5	ENSMUST00000 092671.11	Stat3	ENSMUSG00 000004040	signal transducer and activator of transcription 3 Source MGI Symbol Acc MGI 103038
G04	UPFM062533 9	ENSMUST00000 168302.7	Stat4	ENSMUSG00 000062939	signal transducer and activator of transcription 4 Source MGI Symbol Acc MGI 103062
G05	UPFM062175 6	ENSMUST00000 032122.10	Tacr1	ENSMUSG00 000030043	tachykinin receptor 1 Source MGI Symbol Acc MGI 98475
G06	UPFM075352 1	ENSMUST00000 127994.7	Tfg	ENSMUSG00 000022757	Trk-fused gene Source MGI Symbol Acc MGI 1338041
G07	UPFM083464 2	ENSMUST00000 192058.3	Tgfa	ENSMUSG00 000029999	transforming growth factor alpha Source MGI Symbol Acc MGI 98724
G08	UPFM066688 0	ENSMUST00000 171757.1	Tgfb1	ENSMUSG00 000002603	transforming growth factor, beta 1 Source MGI Symbol Acc MGI 98725
G09	UPFM097202 8	ENSMUST00000 167965.7	Tgfb1l1	ENSMUSG00 000030782	transforming growth factor beta 1 induced transcript 1 Source MGI Symbol Acc MGI 102784
G10	UPFM079491 7	ENSMUST00000 151403.8	Tro	ENSMUSG00 000025272	trophinin Source MGI Symbol Acc MGI 1928994
G11	UPFM066913 3	ENSMUST00000 171247.7	Trp53	ENSMUSG00 000059552	transformation related protein 53 Source MGI Symbol Acc MGI 98834
G12	UPFM074223 2	ENSMUST00000 201184.1	Ucn	ENSMUSG00 000038676	urocortin Source MGI Symbol Acc MGI 1276123
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 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 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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