

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

Mouse NFκB Signaling Targets

Cat. no. 249955 UPMM-225ZR

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	Adm	Agf	Akt1	Aldh3a2	Bcl2a1a	Bcl2l1	Birc2	Birc3	C3	C4a	Ccl12	Ccl22
B	Cd5	Ccnd1	Ccr5	Cd40	Cd74	Cd80	Cd83	Cdkn1a	Cfb	Csf1	Csf2	Csf2rb
C	Csf3	Cxcl1	Cxcl10	Cxcl3	Cxcl9	Egfr	Egr2	F3	F8	Fas	Fosl	Gadd45b
D	Icam1	Ifnb1	Ifng	Il12b	Il15	Il1a	Il1b	Il1r2	Il1rn	Il2	Il2ra	Il4
E	Il6	Ins2	Irf1	Lta	Ltb	Map2k6	Mitf	Mmp9	Myc	Myd88	Ncoa3	Nfkb1
F	Nfkb2	Nfkbia	Nqo1	Nr4a2	Pdgfrb	Plau	Plgs2	Rel	Rela	Relb	Sele	Selp
G	Snap25	Sod2	Stat1	Stat3	Stat5b	Tnf	Tnfrsf1b	Tnfrsf10	Traf2	Trp53	Vcam1	Xiap
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	UPFM0999954	ENSMUST00000033054.9	Adm	ENSMUSG0000030790	adrenomedullin Source MGI Symbol Acc MGI 108058
A02	UPFM0884197	ENSMUST00000063278.6	Agt	ENSMUSG0000031980	angiotensinogen (serpin peptidase inhibitor, clade A, member 8) Source MGI Symbol Acc MGI 87963
A03	UPFM0827860	ENSMUST000000139388.2	Akt1	ENSMUSG0000001729	thymoma viral proto-oncogene 1 Source MGI Symbol Acc MGI 87986
A04	UPFM0900710	ENSMUST000000141368.7	Aldh3a2	ENSMUSG0000010025	aldehyde dehydrogenase family 3, subfamily A2 Source MGI Symbol Acc MGI 1353452
A05	UPFM0639953	ENSMUST000000098485.3	Bcl2a1a	ENSMUSG0000102037	B cell leukemia/lymphoma 2 related protein A1a Source MGI Symbol Acc MGI 102687
A06	UPFM0663411	ENSMUST000000156688.1	Bcl2l1	ENSMUSG0000007659	BCL2-like 1 Source MGI Symbol Acc MGI 88139
A07	UPFM0723532	ENSMUST000000074246.6	Birc2	ENSMUSG0000057367	baculoviral IAP repeat-containing 2 Source MGI Symbol Acc MGI 1197009
A08	UPFM0707122	ENSMUST000000013949.14	Birc3	ENSMUSG0000032000	baculoviral IAP repeat-containing 3 Source MGI Symbol Acc MGI 1197007
A09	UPFM0875886	ENSMUST000000177046.1	C3	ENSMUSG0000024164	complement component 3 Source MGI Symbol Acc MGI 88227
A10	UPFM0799946	ENSMUST000000162133.7	C4a	ENSMUSG0000015451	complement component 4A (Rodgers blood group) Source MGI Symbol Acc MGI 98320
A11	UPFM0781898	ENSMUST000000124916.1	Ccl12	ENSMUSG0000035352	chemokine (C-C motif) ligand 12 Source MGI Symbol Acc MGI 108224
A12	UPFM0721025	ENSMUST000000034231.3	Ccl22	ENSMUSG0000031779	chemokine (C-C motif) ligand 22 Source MGI Symbol Acc MGI 1306779
B01	UPFM0783182	ENSMUST000000035938.2	Ccl5	ENSMUSG0000035042	chemokine (C-C motif) ligand 5 Source MGI Symbol Acc MGI 98262
B02	UPFM0933463	ENSMUST000000208193.1	Ccnd1	ENSMUSG00000070348	cyclin D1 Source MGI Symbol Acc MGI 88313
B03	UPFM0789224	ENSMUST000000111442.2	Ccr5	ENSMUSG0000079227	chemokine (C-C motif) receptor 5 Source MGI Symbol Acc MGI 107182
B04	UPFM0722157	ENSMUST000000153105.1	Cd40	ENSMUSG0000017652	CD40 antigen Source MGI Symbol Acc MGI 88336
B05	UPFM0790200	ENSMUST000000050487.15	Cd74	ENSMUSG0000024610	CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated) Source MGI Symbol Acc MGI 96534
B06	UPFM0917782	ENSMUST000000099816.2	Cd80	ENSMUSG0000075122	CD80 antigen Source MGI Symbol Acc MGI 101775
B07	UPFM0618107	ENSMUST000000015540.3	Cd83	ENSMUSG0000015396	CD83 antigen Source MGI Symbol Acc MGI 1328316
B08	UPFM0867791	ENSMUST000000122348.2	Cdkn1a	ENSMUSG0000023067	cyclin-dependent kinase inhibitor 1A (P21) Source MGI Symbol Acc MGI 104556
B09	UPFM0729527	ENSMUST000000141295.7	Cfb	ENSMUSG0000090231	complement factor B Source MGI Symbol Acc MGI 105975
B10	UPFM0643933	ENSMUST000000155557.1	Csf1	ENSMUSG0000014599	colony stimulating factor 1 (macrophage) Source MGI Symbol Acc MGI 1339753
B11	UPFM0640313	ENSMUST000000019060.5	Csf2	ENSMUSG0000018916	colony stimulating factor 2 (granulocyte-macrophage) Source MGI Symbol Acc MGI 1339752
B12	UPFM0738366	ENSMUST000000096355.3	Csf2rb	ENSMUSG0000071713	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage) Source MGI Symbol Acc MGI 1339759
C01	UPFM0893043	ENSMUST000000038886.2	Csf3	ENSMUSG0000038067	colony stimulating factor 3 (granulocyte) Source MGI Symbol Acc MGI 1339751
C02	UPFM0974489	ENSMUST000000031327.8	Cxcl1	ENSMUSG0000029380	chemokine (C-X-C motif) ligand 1 Source MGI Symbol Acc MGI 108068
C03	UPFM0989806	ENSMUST000000038816.12	Cxcl10	ENSMUSG0000034855	chemokine (C-X-C motif) ligand 10 Source MGI Symbol Acc MGI 1352450
C04	UPFM1172948	ENSMUST000000031326.9	Cxcl3	ENSMUSG0000029379	chemokine (C-X-C motif) ligand 3 Source MGI Symbol Acc MGI 3037818
C05	UPFM0940889	ENSMUST000000202404.1	Cxcl9	ENSMUSG0000029417	chemokine (C-X-C motif) ligand 9 Source MGI Symbol Acc MGI 1352449
C06	UPFM0808781	ENSMUST000000125984.1	Egfr	ENSMUSG0000020122	epidermal growth factor receptor Source MGI Symbol Acc MGI 95294
C07	UPFM0687119	ENSMUST000000145936.1	Egr2	ENSMUSG0000037868	early growth response 2 Source MGI Symbol Acc MGI 95296
C08	UPFM0986569	ENSMUST000000029771.12	F3	ENSMUSG0000028128	coagulation factor III Source MGI Symbol Acc MGI 88381
C09	UPFM0725673	ENSMUST000000147349.7	F8	ENSMUSG0000031196	coagulation factor VIII Source MGI Symbol Acc MGI 88383
C10	UPFM0995787	ENSMUST000000235709.1	Fas	ENSMUSG0000024778	Fas (TNF receptor superfamily member 6) Source MGI Symbol Acc MGI 95484
	UPFM074944	ENSMUST000000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	2	193648.1	FasI	000000817	Fas ligand (TNF superfamily, member 6) Source MGI Symbol Acc MGI 99255
C12	UPFM085248 2	ENSMUST00000 220246.1	Gadd45b	ENSMUSG00 000015312	growth arrest and DNA-damage-inducible 45 beta Source MGI Symbol Acc MGI 107776
D01	UPFM084326 4	ENSMUST00000 215003.1	Icam1	ENSMUSG00 000037405	intercellular adhesion molecule 1 Source MGI Symbol Acc MGI 96392
D02	UPFM063944 2	ENSMUST00000 055671.4	Ifnb1	ENSMUSG00 000048806	interferon beta 1, fibroblast Source MGI Symbol Acc MGI 107657
D03	UPFM117295 0	ENSMUST00000 068592.4	Ifng	ENSMUSG00 000055170	interferon gamma Source MGI Symbol Acc MGI 107656
D04	UPFM078502 0	ENSMUST00000 170513.2	Il12b	ENSMUSG00 000004296	interleukin 12b Source MGI Symbol Acc MGI 96540
D05	UPFM090675 6	ENSMUST00000 209687.1	Il15	ENSMUSG00 000031712	interleukin 15 Source MGI Symbol Acc MGI 103014
D06	UPFM090388 7	ENSMUST00000 028882.1	Il1a	ENSMUSG00 000027399	interleukin 1 alpha Source MGI Symbol Acc MGI 96542
D07	UPFM067128 1	ENSMUST00000 155994.1	Il1b	ENSMUSG00 000027398	interleukin 1 beta Source MGI Symbol Acc MGI 96543
D08	UPFM070789 8	ENSMUST00000 195770.1	Il1r2	ENSMUSG00 000026073	interleukin 1 receptor, type II Source MGI Symbol Acc MGI 96546
D09	UPFM079938 9	ENSMUST00000 114485.8	Il1rn	ENSMUSG00 000026981	interleukin 1 receptor antagonist Source MGI Symbol Acc MGI 96547
D10	UPFM082222 9	ENSMUST00000 029275.5	Il2	ENSMUSG00 000027720	interleukin 2 Source MGI Symbol Acc MGI 96548
D11	UPFM092234 6	ENSMUST00000 028111.5	Il2ra	ENSMUSG00 000026770	interleukin 2 receptor, alpha chain Source MGI Symbol Acc MGI 96549
D12	UPFM095925 1	ENSMUST00000 150568.7	Il4	ENSMUSG00 000000869	interleukin 4 Source MGI Symbol Acc MGI 96556
E01	UPFM072909 9	ENSMUST00000 195978.4	Il6	ENSMUSG00 000025746	interleukin 6 Source MGI Symbol Acc MGI 96559
E02	UPFM100267 5	ENSMUST00000 210288.1	Ins2	ENSMUSG00 000000215	insulin II Source MGI Symbol Acc MGI 96573
E03	UPFM062425 2	ENSMUST00000 142221.7	Irf1	ENSMUSG00 000018899	interferon regulatory factor 1 Source MGI Symbol Acc MGI 96590
E04	UPFM065707 9	ENSMUST00000 025266.5	Lta	ENSMUSG00 000024402	lymphotoxin A Source MGI Symbol Acc MGI 104797
E05	UPFM116666 3	ENSMUST00000 173600.1	Ltb	ENSMUSG00 000024399	lymphotoxin B Source MGI Symbol Acc MGI 104796
E06	UPFM069201 6	ENSMUST00000 020949.11	Map2k6	ENSMUSG00 000020623	mitogen-activated protein kinase kinase 6 Source MGI Symbol Acc MGI 1346870
E07	UPFM083297 3	ENSMUST00000 139462.1	Mitf	ENSMUSG00 000035158	melanogenesis associated transcription factor Source MGI Symbol Acc MGI 104554
E08	UPFM079930 8	ENSMUST00000 017881.2	Mmp9	ENSMUSG00 000017737	matrix metalloproteinase 9 Source MGI Symbol Acc MGI 97011
E09	UPFM081421 4	ENSMUST00000 161976.7	Myc	ENSMUSG00 000022346	myelocytomatosis oncogene Source MGI Symbol Acc MGI 97250
E10	UPFM117295 8	ENSMUST00000 035092.6	Myd88	ENSMUSG00 000032508	myeloid differentiation primary response gene 88 Source MGI Symbol Acc MGI 108005
E11	UPFM096085 0	ENSMUST00000 139394.1	Ncoa3	ENSMUSG00 000027678	nuclear receptor coactivator 3 Source MGI Symbol Acc MGI 1276535
E12	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
F01	UPFM085508 1	ENSMUST00000 237330.1	Nfkb2	ENSMUSG00 000025225	nuclear factor of kappa light polypeptide gene enhancer in B cells 2, p49/p100 Source MGI Symbol Acc MGI 1099800
F02	UPFM072174 5	ENSMUST00000 021413.8	Nfkbia	ENSMUSG00 000021025	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, alpha Source MGI Symbol Acc MGI 104741
F03	UPFM063067 7	ENSMUST00000 003947.8	Nqo1	ENSMUSG00 000003849	NAD(P)H dehydrogenase, quinone 1 Source MGI Symbol Acc MGI 103187
F04	UPFM090371 7	ENSMUST00000 112627.1	Nr4a2	ENSMUSG00 000026826	nuclear receptor subfamily 4, group A, member 2 Source MGI Symbol Acc MGI 1352456
F05	UPFM081589 7	ENSMUST00000 229795.1	Pdgfb	ENSMUSG00 000000489	platelet derived growth factor, B polypeptide Source MGI Symbol Acc MGI 97528
F06	UPFM083661 6	ENSMUST00000 224141.1	Plau	ENSMUSG00 000021822	plasminogen activator, urokinase Source MGI Symbol Acc MGI 97611
F07	UPFM100449 2	ENSMUST00000 190784.1	Ptgs2	ENSMUSG00 000032487	prostaglandin-endoperoxide synthase 2 Source MGI Symbol Acc MGI 97798
F08	UPFM068973 8	ENSMUST00000 102864.4	Rel	ENSMUSG00 000020275	reticuloendotheliosis oncogene Source MGI Symbol Acc MGI 97897
F09	UPFM081915 5	ENSMUST00000 025867.5	Rela	ENSMUSG00 000024927	v-rel reticuloendotheliosis viral oncogene homolog A (avian) Source MGI Symbol Acc MGI 103290
F10	UPFM097089 6	ENSMUST00000 098754.4	Relb	ENSMUSG00 000002983	avian reticuloendotheliosis viral (v-rel) oncogene related B Source MGI Symbol Acc MGI 103289

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM094696 9	ENSMUST00000027874.5	Sele	ENSMUSG00000026582	selectin, endothelial cell Source MGI Symbol Acc MGI 98278
F12	UPFM093521 9	ENSMUST00000162746.1	Selp	ENSMUSG00000026580	selectin, platelet Source MGI Symbol Acc MGI 98280
G01	UPFM072799 0	ENSMUST00000028727.10	Snap25	ENSMUSG00000027273	synaptosomal-associated protein 25 Source MGI Symbol Acc MGI 98331
G02	UPFM095033 7	ENSMUST00000233897.1	Sod2	ENSMUSG0000006818	superoxide dismutase 2, mitochondrial Source MGI Symbol Acc MGI 98352
G03	UPFM071531 5	ENSMUST00000186574.6	Stat1	ENSMUSG00000026104	signal transducer and activator of transcription 1 Source MGI Symbol Acc MGI 103063
G04	UPFM098484 5	ENSMUST00000092671.11	Stat3	ENSMUSG00000004040	signal transducer and activator of transcription 3 Source MGI Symbol Acc MGI 103038
G05	UPFM070808 3	ENSMUST00000004143.2	Stat5b	ENSMUSG00000020919	signal transducer and activator of transcription 5B Source MGI Symbol Acc MGI 103035
G06	UPFM063847 1	ENSMUST00000025263.14	Tnf	ENSMUSG00000024401	tumor necrosis factor Source MGI Symbol Acc MGI 104798
G07	UPFM063198 6	ENSMUST00000143055.1	Tnfrsf1b	ENSMUSG00000028599	tumor necrosis factor receptor superfamily, member 1b Source MGI Symbol Acc MGI 1314883
G08	UPFM068209 9	ENSMUST00000174840.1	Tnfsf10	ENSMUSG00000039304	tumor necrosis factor (ligand) superfamily, member 10 Source MGI Symbol Acc MGI 107414
G09	UPFM092017 5	ENSMUST00000028311.12	Traf2	ENSMUSG00000026942	TNF receptor-associated factor 2 Source MGI Symbol Acc MGI 101835
G10	UPFM066913 3	ENSMUST00000171247.7	Trp53	ENSMUSG00000059552	transformation related protein 53 Source MGI Symbol Acc MGI 98834
G11	UPFM083873 5	ENSMUST00000029574.12	Vcam1	ENSMUSG00000027962	vascular cell adhesion molecule 1 Source MGI Symbol Acc MGI 98926
G12	UPFM083576 8	ENSMUST00000145065.1	Xiap	ENSMUSG00000025860	X-linked inhibitor of apoptosis Source MGI Symbol Acc MGI 107572
H01	UPFM113294 6	ENSMUST00000163829.1	Actb	ENSMUSG00000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	UPFM113294 7	ENSMUST00000102476.4	B2m	ENSMUSG00000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	UPFM113294 8	ENSMUST00000117757.8	Gapdh	ENSMUSG00000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	UPFM113294 9	ENSMUST00000026613.13	Gusb	ENSMUSG00000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	UPFM113295 0	ENSMUST00000166469.7	Hsp90ab1	ENSMUSG00000023944	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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