

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

Mouse Glucocorticoid Signaling

Cat. no. 249955 UPMM-154ZR

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	Adarb1	Aff1	Ak2	Ampd3	Angptl4	Anxa4	Aqp1	Arid5b	Asph	Ath4	Bcl6	Bmp1r
B	Calcr	Cebpa	Cebpb	Col4a2	Creb1	Creb3	Creb3l4	Ccn2	Cyb5b1	Ddit4	Diras2	Dusp1
C	Edn1	Ehd3	Erff1	Fkbp5	Fosl2	Gdgd1	Ghrhr	Glul	Gol1	H6pd	Has2	Hnnp1l
D	Il10	Il1m	Il6	Il6ra	Klf13	Klf9	Lax	Mertk	Mt1	Mt2	Nfkb1a	Nr3c1
E	Pdcd7	Pdgfrb	Pdp1	Per1	Per2	Pik3r1	Pid1	Plekhf1	Pou2f1	Pou2f2	Rasa3	Rgs2
F	Rhob	Rhoj	Sesn1	Sgk1	Slc10a6	Slc19a2	Slc22a5	Snta1	Sphk1	Spnb1	Stat5a	Stat5b
G	Tbl1xr1	Tnf	Tnfrsf3	Tsc22d3	Usp2	Usp54	Vdr	Vidlr	Xdh	Zfp281	Zfp36	Zhx3
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	UPFM0829507	ENSMUST00000154607.7	Adarb1	ENSMUSG0000020262	adenosine deaminase, RNA-specific, B1 Source MGI Symbol Acc MGI 891999
A02	UPFM0642056	ENSMUST00000054979.9	Aff1	ENSMUSG0000029313	AF4/FMR2 family, member 1 Source MGI Symbol Acc MGI 1100819
A03	UPFM0734332	ENSMUST00000102604.10	Ak2	ENSMUSG0000028792	adenylate kinase 2 Source MGI Symbol Acc MGI 87978
A04	UPFM0893683	ENSMUST00000148292.1	Ampd3	ENSMUSG0000005686	adenosine monophosphate deaminase 3 Source MGI Symbol Acc MGI 1096344
A05	UPFM0953833	ENSMUST00000174872.1	Angptl4	ENSMUSG0000002289	angiopoietin-like 4 Source MGI Symbol Acc MGI 1888999
A06	UPFM0776613	ENSMUST00000155456.7	Anxa4	ENSMUSG0000029994	annexin A4 Source MGI Symbol Acc MGI 88030
A07	UPFM0933902	ENSMUST00000004774.3	Aqp1	ENSMUSG0000004655	aquaporin 1 Source MGI Symbol Acc MGI 103201
A08	UPFM0670200	ENSMUST00000020106.8	Arid5b	ENSMUSG0000019947	AT rich interactive domain 5B (MRF1-like) Source MGI Symbol Acc MGI 2175912
A09	UPFM0703713	ENSMUST00000038564.12	Asph	ENSMUSG0000028207	aspartate-beta-hydroxylase Source MGI Symbol Acc MGI 1914186
A10	UPFM0752517	ENSMUST000000229828.1	Atf4	ENSMUSG0000042406	activating transcription factor 4 Source MGI Symbol Acc MGI 88096
A11	UPFM0797606	ENSMUST00000023151.5	Bcl6	ENSMUSG0000022508	B cell leukemia/lymphoma 6 Source MGI Symbol Acc MGI 107187
A12	UPFM0796600	ENSMUST000000214050.1	Bmper	ENSMUSG0000031963	BMP-binding endothelial regulator Source MGI Symbol Acc MGI 1920480
B01	UPFM0683589	ENSMUST000000115622.7	Calcr	ENSMUSG0000023964	calcitonin receptor Source MGI Symbol Acc MGI 101950
B02	UPFM0992607	ENSMUST000000042985.10	Cebpa	ENSMUSG0000034957	CCAAT/enhancer binding protein (C/EBP), alpha Source MGI Symbol Acc MGI 99480
B03	UPFM1172940	ENSMUST000000070642.3	Cebpb	ENSMUSG0000056501	CCAAT/enhancer binding protein (C/EBP), beta Source MGI Symbol Acc MGI 88373
B04	UPFM0662756	ENSMUST000000146219.1	Col4a2	ENSMUSG0000031503	collagen, type IV, alpha 2 Source MGI Symbol Acc MGI 88455
B05	UPFM0852938	ENSMUST000000087366.10	Creb1	ENSMUSG0000025958	cAMP responsive element binding protein 1 Source MGI Symbol Acc MGI 88494
B06	UPFM0695619	ENSMUST000000167751.1	Creb3	ENSMUSG0000028466	cAMP responsive element binding protein 3 Source MGI Symbol Acc MGI 99946
B07	UPFM0702803	ENSMUST000000107369.1	Creb3l4	ENSMUSG0000027938	cAMP responsive element binding protein 3-like 4 Source MGI Symbol Acc MGI 1916603
B08	UPFM0874260	ENSMUST000000176228.1	Ccn2	ENSMUSG0000019997	cellular communication network factor 1 Source MGI Symbol Acc MGI 95537
B09	UPFM0894231	ENSMUST000000184086.7	Cyb5b1	ENSMUSG0000019590	cytochrome b-561 Source MGI Symbol Acc MGI 103253
B10	UPFM0979560	ENSMUST000000020308.4	Ddit4	ENSMUSG0000020108	DNA-damage-inducible transcript 4 Source MGI Symbol Acc MGI 1921997
B11	UPFM0894792	ENSMUST000000057442.7	Diras2	ENSMUSG0000047842	DIRAS family, GTP-binding RAS-like 2 Source MGI Symbol Acc MGI 1915453
B12	UPFM0864537	ENSMUST000000236661.1	Dusp1	ENSMUSG0000024190	dual specificity phosphatase 1 Source MGI Symbol Acc MGI 105120
C01	UPFM0632344	ENSMUST000000021796.8	Edn1	ENSMUSG0000021367	endothelin 1 Source MGI Symbol Acc MGI 95283
C02	UPFM0956781	ENSMUST000000024860.8	Ehd3	ENSMUSG0000024065	EH-domain containing 3 Source MGI Symbol Acc MGI 1928900
C03	UPFM0945766	ENSMUST000000073600.8	Errfi1	ENSMUSG0000028967	ERBB receptor feedback inhibitor 1 Source MGI Symbol Acc MGI 1921405
C04	UPFM0621802	ENSMUST000000232939.1	Fkbp5	ENSMUSG0000024222	FK506 binding protein 5 Source MGI Symbol Acc MGI 104670
C05	UPFM0938583	ENSMUST000000202169.1	Fosl2	ENSMUSG0000029135	fos-like antigen 2 Source MGI Symbol Acc MGI 102858
C06	UPFM0804378	ENSMUST000000020804.7	Gdpd1	ENSMUSG0000061666	glycerophosphodiester phosphodiesterase domain containing 1 Source MGI Symbol Acc MGI 1913819
C07	UPFM0907969	ENSMUST000000203241.1	Ghrhr	ENSMUSG0000004654	growth hormone releasing hormone receptor Source MGI Symbol Acc MGI 95710
C08	UPFM0724471	ENSMUST000000140685.2	Glul	ENSMUSG0000026473	glutamate-ammonia ligase (glutamine synthetase) Source MGI Symbol Acc MGI 95739
C09	UPFM0762133	ENSMUST000000026196.13	Got1	ENSMUSG0000025190	glutamic-oxaloacetic transaminase 1, soluble Source MGI Symbol Acc MGI 95791
C10	UPFM0790512	ENSMUST000000030830.3	H6pd	ENSMUSG0000028980	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase) Source MGI Symbol Acc MGI 2140356
	UPFM069630	ENSMUST000000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	7	050544.7	Has2	000022367	hyaluronan synthase 2 Source MGI Symbol Acc MGI 107821
C12	UPFM076265 6	ENSMUST00000 184297.7	Hnrnp1l	ENSMUSG00 000024095	heterogeneous nuclear ribonucleoprotein L-like Source MGI Symbol Acc MGI 1919942
D01	UPFM117295 1	ENSMUST00000 016673.5	Il10	ENSMUSG00 000016529	interleukin 10 Source MGI Symbol Acc MGI 96537
D02	UPFM079938 9	ENSMUST00000 114485.8	Il1rn	ENSMUSG00 000026981	interleukin 1 receptor antagonist Source MGI Symbol Acc MGI 96547
D03	UPFM072909 9	ENSMUST00000 195978.4	Il6	ENSMUSG00 000025746	interleukin 6 Source MGI Symbol Acc MGI 96559
D04	UPFM100017 7	ENSMUST00000 029559.6	Il6ra	ENSMUSG00 000027947	interleukin 6 receptor, alpha Source MGI Symbol Acc MGI 105304
D05	UPFM087372 3	ENSMUST00000 183817.1	Klf13	ENSMUSG00 000052040	Kruppel-like factor 13 Source MGI Symbol Acc MGI 1354948
D06	UPFM096183 9	ENSMUST00000 036884.2	Klf9	ENSMUSG00 000033863	Kruppel-like factor 9 Source MGI Symbol Acc MGI 1333856
D07	UPFM069839 1	ENSMUST00000 171470.7	Lox	ENSMUSG00 000024529	lysyl oxidase Source MGI Symbol Acc MGI 96817
D08	UPFM062168 6	ENSMUST00000 140221.1	Mertk	ENSMUSG00 000014361	MER proto-oncogene tyrosine kinase Source MGI Symbol Acc MGI 96965
D09	UPFM063465 5	ENSMUST00000 211807.1	Mt1	ENSMUSG00 000031765	metallothionein 1 Source MGI Symbol Acc MGI 97171
D10	UPFM073110 0	ENSMUST00000 034214.7	Mt2	ENSMUSG00 000031762	metallothionein 2 Source MGI Symbol Acc MGI 97172
D11	UPFM072174 5	ENSMUST00000 021413.8	Nfkb1a	ENSMUSG00 000021025	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, alpha Source MGI Symbol Acc MGI 104741
D12	UPFM075838 6	ENSMUST00000 097592.8	Nr3c1	ENSMUSG00 000024431	nuclear receptor subfamily 3, group C, member 1 Source MGI Symbol Acc MGI 95824
E01	UPFM097520 0	ENSMUST00000 214433.1	Pcdcd7	ENSMUSG00 000041837	programmed cell death 7 Source MGI Symbol Acc MGI 1859170
E02	UPFM083084 0	ENSMUST00000 115274.1	Pdgfrb	ENSMUSG00 000024620	platelet derived growth factor receptor, beta polypeptide Source MGI Symbol Acc MGI 97531
E03	UPFM071104 7	ENSMUST00000 108301.7	Pdp1	ENSMUSG00 000049225	pyruvate dehydrogenase phosphatase catalytic subunit 1 Source MGI Symbol Acc MGI 2685870
E04	UPFM099385 2	ENSMUST00000 142392.7	Per1	ENSMUSG00 000020893	period circadian clock 1 Source MGI Symbol Acc MGI 1098283
E05	UPFM073851 6	ENSMUST00000 069620.9	Per2	ENSMUSG00 000055866	period circadian clock 2 Source MGI Symbol Acc MGI 1195265
E06	UPFM073586 5	ENSMUST00000 185795.1	Pik3r1	ENSMUSG00 000041417	phosphoinositide-3-kinase regulatory subunit 1 Source MGI Symbol Acc MGI 97583
E07	UPFM074522 0	ENSMUST00000 067757.10	Pld1	ENSMUSG00 000027695	phospholipase D1 Source MGI Symbol Acc MGI 109585
E08	UPFM063532 2	ENSMUST00000 098513.5	Plekhf1	ENSMUSG00 000074170	pleckstrin homology domain containing, family F (with FYVE domain) member 1 Source MGI Symbol Acc MGI 1919537
E09	UPFM065209 1	ENSMUST00000 111429.10	Pou2f1	ENSMUSG00 000026565	POU domain, class 2, transcription factor 1 Source MGI Symbol Acc MGI 101898
E10	UPFM096119 1	ENSMUST00000 108417.9	Pou2f2	ENSMUSG00 000008496	POU domain, class 2, transcription factor 2 Source MGI Symbol Acc MGI 101897
E11	UPFM076810 6	ENSMUST00000 154454.7	Rasa3	ENSMUSG00 000031453	RAS p21 protein activator 3 Source MGI Symbol Acc MGI 1197013
E12	UPFM080625 9	ENSMUST00000 127206.7	Rgs2	ENSMUSG00 000026360	regulator of G-protein signaling 2 Source MGI Symbol Acc MGI 1098271
F01	UPFM092723 5	ENSMUST00000 067384.5	Rhob	ENSMUSG00 000054364	ras homolog family member B Source MGI Symbol Acc MGI 107949
F02	UPFM068951 2	ENSMUST00000 055390.5	Rhoj	ENSMUSG00 000046768	ras homolog family member J Source MGI Symbol Acc MGI 1931551
F03	UPFM093545 8	ENSMUST00000 099931.10	Sesn1	ENSMUSG00 000038332	sestrin 1 Source MGI Symbol Acc MGI 2155278
F04	UPFM086165 8	ENSMUST00000 020145.11	Sgk1	ENSMUSG00 000019970	serum/glucocorticoid regulated kinase 1 Source MGI Symbol Acc MGI 1340062
F05	UPFM072018 6	ENSMUST00000 031263.1	Slc10a6	ENSMUSG00 000029321	solute carrier family 10 (sodium/bile acid cotransporter family), member 6 Source MGI Symbol Acc MGI 1923000
F06	UPFM092059 1	ENSMUST00000 044021.11	Slc19a2	ENSMUSG00 000040918	solute carrier family 19 (thiamine transporter), member 2 Source MGI Symbol Acc MGI 1928761
F07	UPFM090958 9	ENSMUST00000 019044.7	Slc22a5	ENSMUSG00 000018900	solute carrier family 22 (organic cation transporter), member 5 Source MGI Symbol Acc MGI 1329012
F08	UPFM063417 9	ENSMUST00000 133018.1	Snta1	ENSMUSG00 000027488	syntrophin, acidic 1 Source MGI Symbol Acc MGI 101772
F09	UPFM077679 3	ENSMUST00000 063446.12	Sphk1	ENSMUSG00 000061878	sphingosine kinase 1 Source MGI Symbol Acc MGI 1316649
F10	UPFM096216 9	ENSMUST00000 149360.1	Spsb1	ENSMUSG00 000039911	splA/ryanodine receptor domain and SOCS box containing 1 Source MGI Symbol Acc MGI 1921896

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM096618 6	ENSMUST00000 138083.7	Stat5a	ENSMUSG00 000004043	signal transducer and activator of transcription 5A Source MGI Symbol Acc MGI 103036
F12	UPFM070808 3	ENSMUST00000 004143.2	Stat5b	ENSMUSG00 000020919	signal transducer and activator of transcription 5B Source MGI Symbol Acc MGI 103035
G01	UPFM081698 2	ENSMUST00000 192328.4	Tb11xr1	ENSMUSG00 000027630	transducin (beta)-like 1X-linked receptor 1 Source MGI Symbol Acc MGI 2441730
G02	UPFM063847 1	ENSMUST00000 025263.14	Tnf	ENSMUSG00 000024401	tumor necrosis factor Source MGI Symbol Acc MGI 104798
G03	UPFM082548 1	ENSMUST00000 154590.1	Tnfaip3	ENSMUSG00 000019850	tumor necrosis factor, alpha-induced protein 3 Source MGI Symbol Acc MGI 1196377
G04	UPFM086099 0	ENSMUST00000 112996.8	Tsc22d3	ENSMUSG00 000031431	TSC22 domain family, member 3 Source MGI Symbol Acc MGI 1196284
G05	UPFM077696 5	ENSMUST00000 176416.7	Usp2	ENSMUSG00 000032010	ubiquitin specific peptidase 2 Source MGI Symbol Acc MGI 1858178
G06	UPFM077597 9	ENSMUST00000 127342.1	Usp54	ENSMUSG00 000034235	ubiquitin specific peptidase 54 Source MGI Symbol Acc MGI 1926037
G07	UPFM099996 3	ENSMUST00000 023119.14	Vdr	ENSMUSG00 000022479	vitamin D (1,25-dihydroxyvitamin D3) receptor Source MGI Symbol Acc MGI 103076
G08	UPFM088486 6	ENSMUST00000 164746.7	Vldlr	ENSMUSG00 000024924	very low density lipoprotein receptor Source MGI Symbol Acc MGI 98935
G09	UPFM084844 7	ENSMUST00000 233449.1	Xdh	ENSMUSG00 000024066	xanthine dehydrogenase Source MGI Symbol Acc MGI 98973
G10	UPFM063082 7	ENSMUST00000 047734.14	Zfp281	ENSMUSG00 000041483	zinc finger protein 281 Source MGI Symbol Acc MGI 3029290
G11	UPFM090041 7	ENSMUST00000 051241.6	Zfp36	ENSMUSG00 000044786	zinc finger protein 36 Source MGI Symbol Acc MGI 99180
G12	UPFM079857 5	ENSMUST00000 109460.7	Zhx3	ENSMUSG00 000035877	zinc fingers and homeoboxes 3 Source MGI Symbol Acc MGI 2444772
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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