

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

Mouse Glucocorticoid Signaling

Cat. no. 249950 SBMM-154ZR

For study focus gene expression analysis

Shipping and storage

QuantiNova LNA PCR Focus Panels are shipped at ambient temperature. Immediately upon receipt, they should be stored 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 PCR Focus Panels should be used together with the QuantiNova Reverse Transcription Kit for cDNA synthesis and the QuantiNova SYBR® Green PCR Kit (Mastermix) for PCR.

Panel layout (Rotor-Gene): QuantiNova LNA 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 PCR System 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	Aif4	Bcl6	Bmper
B	Calcr	Cebpa	Cebpb	Col4a2	Creb1	Creb3	Creb3l4	Ccn2	Cyb561	Ddit4	Diras2	Dusp1
C	Edn1	Ehd3	Errf1	Fkbp5	Fosl2	Gdgd1	Ghrhr	Glul	Got1	H6pd	Hos2	Hnmp1l
D	Il10	Il1rn	Il6	Il6ra	Klf13	Klf9	Lox	Merk	Mt1	Mt2	Nrkbia	Nr3c1
E	Pdcd7	Pdgfrb	Pdp1	Per1	Per2	Pik3r1	Pld1	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	Vldlr	Xdh	Zfp281	Zfp36	Zfx3
H	Actb	B2m	Gapdh	Gusb	Hsp90ab1	MGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	SBM0772121	ENSMUST00000156583.7	Adarb1	ENSMUSG0000020262	adenosine deaminase, RNA-specific, B1 Source MGI Symbol Acc MGI 891999
A02	SBM0949377	ENSMUST00000152145.1	Aff1	ENSMUSG0000029313	AF4/FMR2 family, member 1 Source MGI Symbol Acc MGI 1100819
A03	SBM0764557	ENSMUST00000152762.1	Ak2	ENSMUSG0000028792	adenylate kinase 2 Source MGI Symbol Acc MGI 87978
A04	SBM0952717	ENSMUST00000170374.7	Ampd3	ENSMUSG0000005686	adenosine monophosphate deaminase 3 Source MGI Symbol Acc MGI 1096344
A05	SBM0692606	ENSMUST00000174872.1	Angptl4	ENSMUSG0000002289	angiotensin-like 4 Source MGI Symbol Acc MGI 1888999
A06	SBM0705934	ENSMUST00000127152.8	Anxa4	ENSMUSG0000029994	annexin A4 Source MGI Symbol Acc MGI 88030
A07	SBM1015203	ENSMUST0000004774.3	Aqp1	ENSMUSG0000004655	aquaporin 1 Source MGI Symbol Acc MGI 103201
A08	SBM0743486	ENSMUST00000218532.1	Arid5b	ENSMUSG0000019947	AT rich interactive domain 5B (MRF1-like) Source MGI Symbol Acc MGI 2175912
A09	SBM0800175	ENSMUST00000108337.7	Asph	ENSMUSG0000028207	aspartate-beta-hydroxylase Source MGI Symbol Acc MGI 1914186
A10	SBM1055409	ENSMUST00000230434.1	Atf4	ENSMUSG0000042406	activating transcription factor 4 Source MGI Symbol Acc MGI 88096
A11	SBM1068298	ENSMUST00000023151.5	Bcl6	ENSMUSG0000022508	B cell leukemia/lymphoma 6 Source MGI Symbol Acc MGI 107187
A12	SBM0913745	ENSMUST00000214050.1	Bmper	ENSMUSG00000031963	BMP-binding endothelial regulator Source MGI Symbol Acc MGI 1920480
B01	SBM0787713	ENSMUST00000170266.2	Calcr	ENSMUSG0000023964	calcitonin receptor Source MGI Symbol Acc MGI 101950
B02	SBM0970317	ENSMUST00000205391.1	Cebpa	ENSMUSG00000034957	CCAAT/enhancer binding protein (C/EBP), alpha Source MGI Symbol Acc MGI 99480
B03	SBM0682459	ENSMUST00000070642.3	Cebpb	ENSMUSG00000056501	CCAAT/enhancer binding protein (C/EBP), beta Source MGI Symbol Acc MGI 88373
B04	SBM0756779	ENSMUST00000033899.13	Col4a2	ENSMUSG00000031503	collagen, type IV, alpha 2 Source MGI Symbol Acc MGI 88455
B05	SBM0735214	ENSMUST00000188855.6	Creb1	ENSMUSG0000025958	cAMP responsive element binding protein 1 Source MGI Symbol Acc MGI 88494
B06	SBM0997266	ENSMUST00000167751.1	Creb3	ENSMUSG0000028466	cAMP responsive element binding protein 3 Source MGI Symbol Acc MGI 99946
B07	SBM1046561	ENSMUST00000029547.9	Creb3l4	ENSMUSG00000027938	cAMP responsive element binding protein 3-like 4 Source MGI Symbol Acc MGI 1916603
B08	SBM0718058	ENSMUST00000176228.1	Ccn2	ENSMUSG0000019997	cellular communication network factor 1 Source MGI Symbol Acc MGI 95537
B09	SBM0833318	ENSMUST00000150563.2	Cyb561	ENSMUSG0000019590	cytochrome b-561 Source MGI Symbol Acc MGI 103253
B10	SBM1018894	ENSMUST00000020308.4	Ddit4	ENSMUSG0000020108	DNA-damage-inducible transcript 4 Source MGI Symbol Acc MGI 1921997
B11	SBM0722542	ENSMUST00000057442.7	Diras2	ENSMUSG0000047842	DIRAS family, GTP-binding RAS-like 2 Source MGI Symbol Acc MGI 1915453
B12	SBM1019762	ENSMUST00000126178.1	Dusp1	ENSMUSG0000024190	dual specificity phosphatase 1 Source MGI Symbol Acc MGI 105120
C01	SBM0992224	ENSMUST00000021796.8	Edn1	ENSMUSG0000021367	endothelin 1 Source MGI Symbol Acc MGI 95283
C02	SBM0680545	ENSMUST00000024860.8	Ehd3	ENSMUSG0000024065	EH-domain containing 3 Source MGI Symbol Acc MGI 1928900
C03	SBM1026367	ENSMUST00000030811.1	Errfi1	ENSMUSG0000028967	ERBB receptor feedback inhibitor 1 Source MGI Symbol Acc MGI 1921405
C04	SBM0905630	ENSMUST00000233307.1	Fkbp5	ENSMUSG0000024222	FK506 binding protein 5 Source MGI Symbol Acc MGI 104670
C05	SBM0960745	ENSMUST00000202169.1	Fosl2	ENSMUSG0000029135	fos-like antigen 2 Source MGI Symbol Acc MGI 102858
C06	SBM1075189	ENSMUST00000020804.7	Gdpd1	ENSMUSG0000061666	glycerophosphodiester phosphodiesterase domain containing 1 Source MGI Symbol Acc MGI 1913819
C07	SBM1076915	ENSMUST00000063578.5	Ghrhr	ENSMUSG0000004654	growth hormone releasing hormone receptor Source MGI Symbol Acc MGI 95710
C08	SBM1001480	ENSMUST00000139476.7	Glul	ENSMUSG0000026473	glutamate-ammonia ligase (glutamine synthetase) Source MGI Symbol Acc MGI 95739
C09	SBM1059479	ENSMUST00000026196.13	Got1	ENSMUSG0000025190	glutamic-oxaloacetic transaminase 1, soluble Source MGI Symbol Acc MGI 95791
C10	SBM1011091	ENSMUST00000030830.3	H6pd	ENSMUSG0000028980	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase) Source MGI Symbol Acc MGI 2140356
		ENSMUST00000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	SBM0970459	050544.7	Has2	000022367	hyaluronan synthase 2 Source MGI Symbol Acc MGI 107821
C12	SBM0888893	ENSMUST00000184578.7	Hnrnp11	ENSMUSG0000024095	heterogeneous nuclear ribonucleoprotein L-like Source MGI Symbol Acc MGI 1919942
D01	SBM1004151	ENSMUST00000016673.5	Il10	ENSMUSG0000016529	interleukin 10 Source MGI Symbol Acc MGI 96537
D02	SBM0732530	ENSMUST00000142093.6	Il1rn	ENSMUSG0000026981	interleukin 1 receptor antagonist Source MGI Symbol Acc MGI 96547
D03	SBM0742623	ENSMUST00000026845.11	Il6	ENSMUSG0000025746	interleukin 6 Source MGI Symbol Acc MGI 96559
D04	SBM0834938	ENSMUST00000197679.4	Il6ra	ENSMUSG0000027947	interleukin 6 receptor, alpha Source MGI Symbol Acc MGI 105304
D05	SBM0869531	ENSMUST00000185175.1	Klf13	ENSMUSG0000052040	Kruppel-like factor 13 Source MGI Symbol Acc MGI 1354948
D06	SBM0951586	ENSMUST00000036884.2	Klf9	ENSMUSG0000033863	Kruppel-like factor 9 Source MGI Symbol Acc MGI 1333856
D07	SBM0925223	ENSMUST00000025409.8	Lox	ENSMUSG0000024529	lysyl oxidase Source MGI Symbol Acc MGI 96817
D08	SBM0937977	ENSMUST00000014505.4	Mertk	ENSMUSG0000014361	MER proto-oncogene tyrosine kinase Source MGI Symbol Acc MGI 96965
D09	SBM0992835	ENSMUST000000211807.1	Mt1	ENSMUSG0000031765	metallothionein 1 Source MGI Symbol Acc MGI 97171
D10	SBM0896648	ENSMUST000000212806.1	Mt2	ENSMUSG0000031762	metallothionein 2 Source MGI Symbol Acc MGI 97172
D11	SBM0696431	ENSMUST00000021413.8	Nfkbia	ENSMUSG0000021025	nuclear factor of kappa light polypeptide gene enhancer in B cells inhibitor, alpha Source MGI Symbol Acc MGI 104741
D12	SBM0963014	ENSMUST000000115571.7	Nr3c1	ENSMUSG0000024431	nuclear receptor subfamily 3, group C, member 1 Source MGI Symbol Acc MGI 95824
E01	SBM0723314	ENSMUST000000048184.3	Pdcd7	ENSMUSG0000041837	programmed cell death 7 Source MGI Symbol Acc MGI 1859170
E02	SBM0934218	ENSMUST000000025522.10	Pdgfrb	ENSMUSG0000024620	platelet derived growth factor receptor, beta polypeptide Source MGI Symbol Acc MGI 97531
E03	SBM0690156	ENSMUST000000108297.2	Pdp1	ENSMUSG0000049225	pyruvate dehydrogenase phosphatase catalytic subunit 1 Source MGI Symbol Acc MGI 2685870
E04	SBM0874801	ENSMUST000000142392.7	Per1	ENSMUSG0000020893	period circadian clock 1 Source MGI Symbol Acc MGI 1098283
E05	SBM0927377	ENSMUST000000185298.1	Per2	ENSMUSG0000055866	period circadian clock 2 Source MGI Symbol Acc MGI 1195265
E06	SBM0805909	ENSMUST000000035532.12	Pik3r1	ENSMUSG0000041417	phosphoinositide-3-kinase regulatory subunit 1 Source MGI Symbol Acc MGI 97583
E07	SBM0696678	ENSMUST000000123539.7	Pld1	ENSMUSG0000027695	phospholipase D1 Source MGI Symbol Acc MGI 109585
E08	SBM1049640	ENSMUST000000098513.5	Plekhf1	ENSMUSG0000074170	pleckstrin homology domain containing, family F (with FYVE domain) member 1 Source MGI Symbol Acc MGI 1919537
E09	SBM0831533	ENSMUST000000111427.8	Pou2f1	ENSMUSG0000026565	POU domain, class 2, transcription factor 1 Source MGI Symbol Acc MGI 101898
E10	SBM0963272	ENSMUST000000175774.8	Pou2f2	ENSMUSG0000008496	POU domain, class 2, transcription factor 2 Source MGI Symbol Acc MGI 101897
E11	SBM0877825	ENSMUST000000154454.7	Rasa3	ENSMUSG0000031453	RAS p21 protein activator 3 Source MGI Symbol Acc MGI 1197013
E12	SBM1066056	ENSMUST000000134817.1	Rgs2	ENSMUSG0000026360	regulator of G-protein signaling 2 Source MGI Symbol Acc MGI 1098271
F01	SBM0814150	ENSMUST000000067384.5	Rhob	ENSMUSG0000054364	ras homolog family member B Source MGI Symbol Acc MGI 107949
F02	SBM0883575	ENSMUST000000055390.5	Rhoj	ENSMUSG0000046768	ras homolog family member J Source MGI Symbol Acc MGI 1931551
F03	SBM0697798	ENSMUST000000214835.1	Sesn1	ENSMUSG0000038332	sestrin 1 Source MGI Symbol Acc MGI 2155278
F04	SBM0909072	ENSMUST000000126560.1	Sgk1	ENSMUSG0000019970	serum/glucocorticoid regulated kinase 1 Source MGI Symbol Acc MGI 1340062
F05	SBM1029029	ENSMUST000000031263.1	Slc10a6	ENSMUSG0000029321	solute carrier family 10 (sodium/bile acid cotransporter family), member 6 Source MGI Symbol Acc MGI 1923000
F06	SBM0806007	ENSMUST000000169394.1	Slc19a2	ENSMUSG0000040918	solute carrier family 19 (thiamine transporter), member 2 Source MGI Symbol Acc MGI 1928761
F07	SBM0772549	ENSMUST000000152084.1	Slc22a5	ENSMUSG0000018900	solute carrier family 22 (organic cation transporter), member 5 Source MGI Symbol Acc MGI 1329012
F08	SBM0837346	ENSMUST000000109728.7	Snta1	ENSMUSG0000027488	syntrophin, acidic 1 Source MGI Symbol Acc MGI 101772
F09	SBM0831314	ENSMUST000000063396.9	Sphk1	ENSMUSG0000061878	sphingosine kinase 1 Source MGI Symbol Acc MGI 1316649
F10	SBM0934525	ENSMUST000000105684.1	Spsb1	ENSMUSG0000039911	splA/ryanodine receptor domain and SOCS box containing 1 Source MGI Symbol Acc MGI 1921896

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	SBM0789938	ENSMUST00000138083.7	Stat5a	ENSMUSG0000004043	signal transducer and activator of transcription 5A Source MGI Symbol Acc MGI 103036
F12	SBM0792638	ENSMUST00000126266.1	Stat5b	ENSMUSG0000020919	signal transducer and activator of transcription 5B Source MGI Symbol Acc MGI 103035
G01	SBM1009062	ENSMUST00000200943.3	Tb11xr1	ENSMUSG0000027630	transducin (beta)-like 1X-linked receptor 1 Source MGI Symbol Acc MGI 2441730
G02	SBM0788439	ENSMUST0000025263.14	Tnf	ENSMUSG0000024401	tumor necrosis factor Source MGI Symbol Acc MGI 104798
G03	SBM0936524	ENSMUST00000105527.1	Tnfaip3	ENSMUSG0000019850	tumor necrosis factor, alpha-induced protein 3 Source MGI Symbol Acc MGI 1196377
G04	SBM0967321	ENSMUST00000055738.11	Tsc22d3	ENSMUSG00000031431	TSC22 domain family, member 3 Source MGI Symbol Acc MGI 1196284
G05	SBM0750908	ENSMUST00000177054.7	Usp2	ENSMUSG0000032010	ubiquitin specific peptidase 2 Source MGI Symbol Acc MGI 1858178
G06	SBM0899016	ENSMUST00000035340.11	Usp54	ENSMUSG0000034235	ubiquitin specific peptidase 54 Source MGI Symbol Acc MGI 1926037
G07	SBM0761592	ENSMUST00000139656.1	Vdr	ENSMUSG0000022479	vitamin D (1,25-dihydroxyvitamin D3) receptor Source MGI Symbol Acc MGI 103076
G08	SBM0933550	ENSMUST00000047645.12	Vldlr	ENSMUSG0000024924	very low density lipoprotein receptor Source MGI Symbol Acc MGI 98935
G09	SBM1090997	ENSMUST00000233621.1	Xdh	ENSMUSG0000024066	xanthine dehydrogenase Source MGI Symbol Acc MGI 98973
G10	SBM0717742	ENSMUST00000112046.1	Zfp281	ENSMUSG00000041483	zinc finger protein 281 Source MGI Symbol Acc MGI 3029290
G11	SBM1072298	ENSMUST00000209061.1	Zfp36	ENSMUSG0000044786	zinc finger protein 36 Source MGI Symbol Acc MGI 99180
G12	SBM0838148	ENSMUST00000127201.1	Zhx3	ENSMUSG0000035877	zinc fingers and homeoboxes 3 Source MGI Symbol Acc MGI 2444772
H01	SBM1220560	ENSMUST00000100497.10	Actb	ENSMUSG0000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	SBM0675336	ENSMUST00000102476.4	B2m	ENSMUSG0000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	SBM1220562	ENSMUST00000117757.8	Gapdh	ENSMUSG0000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	SBM1220563	ENSMUST00000026613.13	Gusb	ENSMUSG0000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	SBM1220564	ENSMUST00000166469.7	Hsp90ab1	ENSMUSG0000023944	heat shock protein 90 alpha (cytosolic), class B member 1 Source MGI Symbol Acc MGI 96247
H06	SBM1218554	Sybr_MGDC	MGDC	Sybr_MGDC	Mouse Genomic DNA Contamination
H07	SBH1218551	Sybr_QIC	QIC	Sybr_QIC	QuantiNova Internal Control
H08	SBH1218551	Sybr_QIC	QIC	Sybr_QIC	QuantiNova Internal Control
H09	SBH1218551	Sybr_QIC	QIC	Sybr_QIC	QuantiNova Internal Control
H10	SBH1218550	Sybr_PPC	PPC	Sybr_PPC	Positive PCR Control
H11	SBH1218550	Sybr_PPC	PPC	Sybr_PPC	Positive PCR Control
H12	SBH1218550	Sybr_PPC	PPC	Sybr_PPC	Positive PCR Control



Related products

Product	Contents	Cat. no.
QuantiNova LNA PCR QC Panel	These panels are designed to assess the quality of RNA samples before characterization using QuantiNova LNA PCR Focus Panels; available in 96-well, 384-well, and Rotor-Disc 100 formats	249940
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 SYBR Green RT-PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml QuantiNova SYBR Green RT-PCR Master Mix, 20 μ l QuantiNova SYBR Green 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	208152
QuantiNova SYBR Green PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml 2x QuantiNova SYBR Green PCR Master Mix, 500 μ l QuantiNova Yellow Template Dilution Buffer, 250 μ l QN ROX Reference Dye, 1.9 ml Water	208052

*Larger kit sizes available.

The QuantiNova LNA 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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