

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

Rat Inflammasomes

Cat. no. 249950 SBRN-097ZR

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	Bcl2	Bcl2l1	Birc2	Birc3	Card6	Casp1	Casp12	Casp8	Cd11	Ccl12	Cd2	Ccl5
B	Ccl7	Cd40lg	Cflar	Chuk	Ciita	Ctsb	Cxcl1	Cxcl3	Fadd	Hsp90aa1	Hsp90ab1	Hsp90b1
C	Ifnb1	Ifng	Ikkbb	Ikkbg	Il12a	Il12b	Il18	Il1b	Il33	Il6	Irak1	Irf1
D	Irf2	Irf3	Irf4	Irf5	Irf6	LOC1009107 71	Tab1	Tab2	Mapk1	Mapk11	Mapk12	Mapk13
E	Mapk14	Mapk3	Mapk8	Mapk9	Mefv	Myd88	AC135826.1	Nfkb1	Nfkbia	Nfkbib	Nlr4	Nlrp12
F	Nlrp1a	Nlrp3	Nlrp5	Nlrp6	Nlix1	Nod2	P2rx7	Panx1	Pea15	Pstpip1	Plgs2	Pycard
G	Mok	Rela	Ripk2	Sugt1	Tirap	LOC1036943 80	LOC1036899 74	Tnfrsf14	Tnfrsf4	Traf6	Txnip	Xiap
H	Actb	B2m	Hprt1	Ldha	Rplp1	RGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	SBR1170984	ENSRNOT00000003768.2	Bcl2	ENSRNOG0000002791	BCL2, apoptosis regulator Source RGD Symbol Acc 2199
A02	SBR1205791	ENSRNOT00000010762.7	Bcl2l1	ENSRNOG0000007946	Bcl2-like 1 Source RGD Symbol Acc 2200
A03	SBR1099985	ENSRNOT00000014560.6	Birc2	ENSRNOG0000010602	baculoviral IAP repeat-containing 2 Source RGD Symbol Acc 620690
A04	SBR1181460	ENSRNOT000000090774.1	Birc3	ENSRNOG0000005731	baculoviral IAP repeat-containing 3 Source RGD Symbol Acc 621282
A05	SBR1136677	ENSRNOT00000039057.3	Card6	ENSRNOG0000001271	caspase recruitment domain family, member 6 Source RGD Symbol Acc 1305805
A06	SBR1122190	ENSRNOT00000009993.6	Casp1	ENSRNOG0000007372	caspase 1 Source RGD Symbol Acc 2274
A07	SBR1156186	ENSRNOT000000088553.1	Casp12	ENSRNOG00000033434	caspase 12 Source RGD Symbol Acc 621758
A08	SBR1182801	ENSRNOT00000016613.4	Casp8	ENSRNOG0000012331	caspase 8 Source RGD Symbol Acc 620945
A09	SBR1164698	ENSRNOT00000009756.5	Ccl11	ENSRNOG0000007335	C-C motif chemokine ligand 11 Source RGD Symbol Acc 3644
A10	SBR1129555	ENSRNOT00000031626.5	Ccl12	ENSRNOG0000029768	chemokine (C-C motif) ligand 12 Source RGD Symbol Acc 1309255
A11	SBR1165601	ENSRNOT00000009448.3	Ccl2	ENSRNOG0000007159	C-C motif chemokine ligand 2 Source RGD Symbol Acc 3645
A12	SBR1094349	ENSRNOT00000014865.6	Ccl5	ENSRNOG0000010906	C-C motif chemokine ligand 5 Source RGD Symbol Acc 69069
B01	SBR1105598	ENSRNOT00000000256.4	Ccl7	ENSRNOG000000239	C-C motif chemokine ligand 7 Source RGD Symbol Acc 1359152
B02	SBR1110042	ENSRNOT00000001162.4	Cd40lg	ENSRNOG0000000871	CD40 ligand Source RGD Symbol Acc 708418
B03	SBR1105415	ENSRNOT00000016730.5	Cflar	ENSRNOG0000012473	CASP8 and FADD-like apoptosis regulator Source RGD Symbol Acc 620847
B04	SBR1132111	ENSRNOT00000030782.4	Chuk	ENSRNOG0000022485	conserved helix-loop-helix ubiquitous kinase Source RGD Symbol Acc 1306661
B05	SBR1185428	ENSRNOT00000003572.3	Ciita	ENSRNOG0000002659	class II, major histocompatibility complex, transactivator Source RGD Symbol Acc 619813
B06	SBR1215406	ENSRNOT00000014177.5	Ctsb	ENSRNOG0000010331	cathepsin B Source RGD Symbol Acc 621509
B07	SBR1198580	ENSRNOT00000003778.3	Cxcl1	ENSRNOG0000002802	C-X-C motif chemokine ligand 1 Source RGD Symbol Acc 619869
B08	SBR1116913	ENSRNOT00000034090.3	Cxcl3	ENSRNOG0000028043	chemokine (C-X-C motif) ligand 3 Source RGD Symbol Acc 621812
B09	SBR1202965	ENSRNOT00000075089.3	Fadd	ENSRNOG0000047035	Fas associated via death domain Source RGD Symbol Acc 628700
B10	SBR1113341	ENSRNOT000000086310.1	Hsp90aa1	ENSRNOG0000059714	heat shock protein 90 alpha family class A member 1 Source RGD Symbol Acc 631409
B11	SBR1225380	ENSRNOT00000026920.6	Hsp90ab1	ENSRNOG0000019834	heat shock protein 90 alpha family class B member 1 Source RGD Symbol Acc 1303075
B12	SBR1196985	ENSRNOT00000079731.1	Hsp90b1	ENSRNOG0000026963	heat shock protein 90 beta family member 1 Source RGD Symbol Acc 1310482
C01	SBR1104910	ENSRNOT00000008224.2	Ifnb1	ENSRNOG0000006268	interferon beta 1 Source RGD Symbol Acc 2865
C02	SBR1108917	ENSRNOT00000009919.2	Ifng	ENSRNOG0000007468	interferon gamma Source RGD Symbol Acc 2866
C03	SBR1133299	ENSRNOT00000025851.4	Ikbbk	ENSRNOG0000019073	inhibitor of nuclear factor kappa B kinase subunit beta Source RGD Symbol Acc 621375
C04	SBR1133952	ENSRNOT00000078438.1	Ikbbg	ENSRNOG0000060936	inhibitor of nuclear factor kappa B kinase subunit gamma Source RGD Symbol Acc 735223
C05	SBR1107831	ENSRNOT00000012831.3	Il12a	ENSRNOG0000009468	interleukin 12A Source RGD Symbol Acc 620562
C06	SBR1133771	ENSRNOT00000005898.6	Il12b	ENSRNOG0000004380	interleukin 12B Source RGD Symbol Acc 628704
C07	SBR1183288	ENSRNOT00000013093.6	Il18	ENSRNOG0000009848	interleukin 18 Source RGD Symbol Acc 2889
C08	SBR1196387	ENSRNOT00000006308.4	Il1b	ENSRNOG0000004649	interleukin 1 beta Source RGD Symbol Acc 2891
C09	SBR1152021	ENSRNOT00000022056.7	Il33	ENSRNOG0000016456	interleukin 33 Source RGD Symbol Acc 1311155
C10	SBR1156877	ENSRNOT00000013732.6	Il6	ENSRNOG0000010278	interleukin 6 Source RGD Symbol Acc 2901
		ENSRNOT000000		ENSRNOG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	SBR1200697	092207.1	Irak1	000060869	interleukin-1 receptor-associated kinase 1 Source RGD Symbol Acc 1563841
C12	SBR1170657	ENSRNOT00000 010968.6	Irf1	ENSRNOG00 000008144	interferon regulatory factor 1 Source RGD Symbol Acc 2920
D01	SBR1163923	ENSRNOT00000 013118.6	Irf2	ENSRNOG00 000009824	interferon regulatory factor 2 Source RGD Symbol Acc 1304922
D02	SBR1201960	ENSRNOT00000 027786.6	Irf3	ENSRNOG00 000043388	interferon regulatory factor 3 Source RGD Symbol Acc 1549774
D03	SBR1179446	ENSRNOT00000 088931.1	Irf4	ENSRNOG00 000061070	interferon regulatory factor 4 Source RGD Symbol Acc 1308050
D04	SBR1126971	ENSRNOT00000 010001.6	Irf5	ENSRNOG00 000007437	interferon regulatory factor 5 Source RGD Symbol Acc 1310447
D05	SBR1132896	ENSRNOT00000 007333.4	Irf6	ENSRNOG00 000005082	interferon regulatory factor 6 Source RGD Symbol Acc 1309645
D06	SBR1093683	ENSRNOT00000 007654.5	LOC10091 0771	ENSRNOG00 000005724	mitogen-activated protein kinase kinase kinase 7-like Source RGD Symbol Acc 6496502
D07	SBR1199246	ENSRNOT00000 067904.3	Tab1	ENSRNOG00 000017285	TGF-beta activated kinase 1/MAP3K7 binding protein 1 Source RGD Symbol Acc 1306216
D08	SBR1136745	ENSRNOT00000 061999.5	Tab2	ENSRNOG00 000016054	TGF-beta activated kinase 1/MAP3K7 binding protein 2 Source RGD Symbol Acc 1309527
D09	SBR1202944	ENSRNOT00000 002533.7	Mapk1	ENSRNOG00 000001849	mitogen activated protein kinase 1 Source RGD Symbol Acc 70500
D10	SBR1171477	ENSRNOT00000 079777.1	Mapk11	ENSRNOG00 000006984	mitogen-activated protein kinase 11 Source RGD Symbol Acc 1309340
D11	SBR1166019	ENSRNOT00000 044376.4	Mapk12	ENSRNOG00 000031233	mitogen-activated protein kinase 12 Source RGD Symbol Acc 70975
D12	SBR1146992	ENSRNOT00000 000621.6	Mapk13	ENSRNOG00 000000515	mitogen activated protein kinase 13 Source RGD Symbol Acc 3045
E01	SBR1149566	ENSRNOT00000 000618.6	Mapk14	ENSRNOG00 000000513	mitogen activated protein kinase 14 Source RGD Symbol Acc 70496
E02	SBR1209281	ENSRNOT00000 087625.1	Mapk3	ENSRNOG00 000053583	mitogen activated protein kinase 3 Source RGD Symbol Acc 3046
E03	SBR1144517	ENSRNOT00000 065216.3	Mapk8	ENSRNOG00 000020155	mitogen-activated protein kinase 8 Source RGD Symbol Acc 621506
E04	SBR1169613	ENSRNOT00000 004010.4	Mapk9	ENSRNOG00 000002823	mitogen-activated protein kinase 9 Source RGD Symbol Acc 628847
E05	SBR1103201	ENSRNOT00000 011073.5	Mefv	ENSRNOG00 000008134	MEFV, pyrin innate immunity regulator Source RGD Symbol Acc 61889
E06	SBR1185632	ENSRNOT00000 018341.5	Myd88	ENSRNOG00 000013634	MYD88, innate immune signal transduction adaptor Source RGD Symbol Acc 735043
E07	SBR1205876	ENSRNOT00000 072926.3	AC135826. 1	ENSRNOG00 000033693	NLR family, apoptosis inhibitory protein 2 Source MGI Symbol Acc MGI 1298226
E08	SBR1111134	ENSRNOT00000 036838.4	Nfkb1	ENSRNOG00 000023258	nuclear factor kappa B subunit 1 Source RGD Symbol Acc 70498
E09	SBR1120974	ENSRNOT00000 009894.6	Nfkbia	ENSRNOG00 000007390	NFKB inhibitor alpha Source RGD Symbol Acc 3171
E10	SBR1138816	ENSRNOT00000 027212.5	Nfkbib	ENSRNOG00 000020063	NFKB inhibitor beta Source RGD Symbol Acc 621887
E11	SBR1103739	ENSRNOT00000 007655.7	Nlrc4	ENSRNOG00 000005810	NLR family, CARD domain containing 4 Source RGD Symbol Acc 1309831
E12	SBR1160527	ENSRNOT00000 086331.1	Nlrp12	ENSRNOG00 000060745	NLR family, pyrin domain containing 12 Source RGD Symbol Acc 1309415
F01	SBR1174082	ENSRNOT00000 037546.6	Nlrp1a	ENSRNOG00 000023143	NLR family, pyrin domain containing 1A Source RGD Symbol Acc 1310963
F02	SBR1186072	ENSRNOT00000 004280.5	Nlrp3	ENSRNOG00 000003170	NLR family, pyrin domain containing 3 Source RGD Symbol Acc 1308314
F03	SBR1209442	ENSRNOT00000 041542.4	Nlrp5	ENSRNOG00 000022994	NLR family, pyrin domain containing 5 Source RGD Symbol Acc 1307446
F04	SBR1210375	ENSRNOT00000 050551.5	Nlrp6	ENSRNOG00 000045677	NLR family, pyrin domain containing 6 Source RGD Symbol Acc 708549
F05	SBR1132612	ENSRNOT00000 077958.1	Nlrx1	ENSRNOG00 000052386	NLR family member X1 Source RGD Symbol Acc 1311293
F06	SBR1140577	ENSRNOT00000 065103.2	Nod2	ENSRNOG00 000014124	nucleotide-binding oligomerization domain containing 2 Source RGD Symbol Acc 1306368
F07	SBR1108753	ENSRNOT00000 001746.7	P2rx7	ENSRNOG00 000001296	purinergic receptor P2X 7 Source RGD Symbol Acc 3241
F08	SBR1207970	ENSRNOT00000 013577.5	Panx1	ENSRNOG00 000010060	Pannexin 1 Source RGD Symbol Acc 735204
F09	SBR1214621	ENSRNOT00000 070812.1	Pea15	ENSRNOG00 000046996	proliferation and apoptosis adaptor protein 15 Source RGD Symbol Acc 1306055
F10	SBR1116603	ENSRNOT00000 063930.2	Pstpip1	ENSRNOG00 000016413	proline-serine-threonine phosphatase-interacting protein 1 Source RGD Symbol Acc 1307557

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	SBR1122148	ENSRNOT00000003567.4	Ptgs2	ENSRNOG0000002525	prostaglandin-endoperoxide synthase 2 Source RGD Symbol Acc 620349
F12	SBR1158649	ENSRNOT00000026699.4	Pycard	ENSRNOG0000019675	PYD and CARD domain containing Source RGD Symbol Acc 628637
G01	SBR1167858	ENSRNOT00000088986.1	Mok	ENSRNOG0000007850	MOK protein kinase Source RGD Symbol Acc 1309274
G02	SBR1138204	ENSRNOT00000045233.3	Rela	ENSRNOG0000030888	RELA proto-oncogene, NF-kB subunit Source RGD Symbol Acc 727889
G03	SBR1122908	ENSRNOT00000012963.5	Ripk2	ENSRNOG0000009389	receptor-interacting serine-threonine kinase 2 Source RGD Symbol Acc 1309167
G04	SBR1195294	ENSRNOT00000017086.7	Sugt1	ENSRNOG0000012594	SGT1 homolog, MIS12 kinetochore complex assembly cochaperone Source RGD Symbol Acc 1307550
G05	SBR1108614	ENSRNOT00000038312.5	Tirap	ENSRNOG0000021420	TIR domain containing adaptor protein Source RGD Symbol Acc 1595496
G06	SBR1187845	ENSRNOT00000079677.1	LOC103694380	ENSRNOG0000055156	tumor necrosis factor-like Source RGD Symbol Acc 9404643
G07	SBR1170442	ENSRNOT00000049056.4	LOC103689974	ENSRNOG0000049547	TNF superfamily member 11 Source RGD Symbol Acc 620784
G08	SBR1099702	ENSRNOT00000074247.1	Tnfsf14	ENSRNOG0000047730	TNF superfamily member 14 Source RGD Symbol Acc 1588572
G09	SBR1194073	ENSRNOT00000003969.5	Tnfsf4	ENSRNOG0000002968	TNF superfamily member 4 Source RGD Symbol Acc 619816
G10	SBR1200335	ENSRNOT00000006148.5	Traf6	ENSRNOG0000004639	TNF receptor associated factor 6 Source RGD Symbol Acc 1306853
G11	SBR1211460	ENSRNOT00000028793.6	Txnip	ENSRNOG0000021201	thioredoxin interacting protein Source RGD Symbol Acc 620886
G12	SBR1144925	ENSRNOT00000009336.3	Xiap	ENSRNOG0000006967	X-linked inhibitor of apoptosis Source RGD Symbol Acc 620692
H01	SBR1220567	ENSRNOT00000042459.4	Actb	ENSRNOG0000034254	actin, beta Source RGD Symbol Acc 628837
H02	SBR1220568	ENSRNOT00000023017.5	B2m	ENSRNOG0000017123	beta-2 microglobulin Source RGD Symbol Acc 2189
H03	SBR1225377	ENSRNOT00000065935.3	Hprt1	ENSRNOG0000048561	hypoxanthine phosphoribosyltransferase 1 Source RGD Symbol Acc 2826
H04	SBR1122313	ENSRNOT00000017468.2	Ldha	ENSRNOG0000013009	lactate dehydrogenase A Source RGD Symbol Acc 2996
H05	SBR1220572	ENSRNOT00000018820.5	Rplp1	ENSRNOG0000013874	ribosomal protein lateral stalk subunit P1 Source RGD Symbol Acc 621774
H06	SBR1218555	Sybr_RGDC	RGDC	Sybr_RGDC	Rat 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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