

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

Human Phagocytosis

Cat. no. 249950 SBHS-173ZR

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	ADIPOQ	AGER	ANXA1	AXL	C3	CALR	CD14	CD36	CD44	CD47	CEACAM3	CLEC7A
B	CLIC4	CNN2	COLEC12	CR1	CRK	CRP	CSF1	CSF2	CSK	CYP251	DOCK1	DOCK2
C	ELMO1	FAS	FCER1G	FCGR1A	FCGR2A	FCGR2B	FYN	GULP1	IFNG	IL1RL1	ITGAM	ITGAV
D	ITGB2	LYN	MARK14	MARCO	MBL2	MCOLN3	MERTK	MFGEB	MIF	MSN	MYD88	NOD1
E	PECAM1	PIPSK1A	PLA2G4A	PLA2G5	PLD1	PLD2	PRKCE	PROS1	PTEN	RAB5A	RAB7A	RAC1
F	RAC2	RALA	RALB	RAPGEF3	RHOA	SCARB1	SERPINE1	SFTPD	SIGLEC1	SIGLEC11	SIRPB1	STAB2
G	STX18	SYK	TGM2	TICAM1	TLR3	TLR9	TNF	TNFSF11	VAMP7	VAV1	WAS	WNT5A
H	ACTB	B2M	GAPDH	HPRT1	RPLP0	HGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	SBH1219727	ENST00000320741.7	ADIPOQ	ENSG00000181092	adiponectin, C1Q and collagen domain containing Source HGNC Symbol Acc HGNC 13633
A02	SBH0185255	ENST00000488669.5	AGER	ENSG00000204305	advanced glycosylation end-product specific receptor Source HGNC Symbol Acc HGNC 320
A03	SBH0099041	ENST00000489109.1	ANXA1	ENSG00000135046	annexin A1 Source HGNC Symbol Acc HGNC 533
A04	SBH0534329	ENST00000301178.9	AXL	ENSG00000167601	AXL receptor tyrosine kinase Source HGNC Symbol Acc HGNC 905
A05	SBH0244130	ENST00000245907.10	C3	ENSG00000125730	complement C3 Source HGNC Symbol Acc HGNC 1318
A06	SBH0031560	ENST00000316448.9	CALR	ENSG00000179218	calreticulin Source HGNC Symbol Acc HGNC 1455
A07	SBH1219857	ENST00000512545.1	CD14	ENSG00000170458	CD14 molecule Source HGNC Symbol Acc HGNC 1628
A08	SBH0074710	ENST00000441109.6	CD36	ENSG00000135218	CD36 molecule Source HGNC Symbol Acc HGNC 1663
A09	SBH0074994	ENST00000428726.7	CD44	ENSG00000026508	CD44 molecule (Indian blood group) Source HGNC Symbol Acc HGNC 1681
A10	SBH0009721	ENST00000398258.7	CD47	ENSG00000196776	CD47 molecule Source HGNC Symbol Acc HGNC 1682
A11	SBH0088485	ENST00000415495.5	CEACAM3	ENSG00000170956	carcinoembryonic antigen related cell adhesion molecule 3 Source HGNC Symbol Acc HGNC 1815
A12	SBH0664303	ENST00000310002.4	CLEC7A	ENSG00000172243	C-type lectin domain containing 7A Source HGNC Symbol Acc HGNC 14558
B01	SBH0136802	ENST00000488683.1	CLIC4	ENSG00000169504	chloride intracellular channel 4 Source HGNC Symbol Acc HGNC 13518
B02	SBH0485835	ENST00000565096.6	CNN2	ENSG00000064666	calponin 2 Source HGNC Symbol Acc HGNC 2156
B03	SBH0470980	ENST00000582147.1	COLEC12	ENSG00000158270	collectin subfamily member 12 Source HGNC Symbol Acc HGNC 16016
B04	SBH0311898	ENST00000367052.6	CR1	ENSG00000203710	complement C3b/C4b receptor 1 (Knops blood group) Source HGNC Symbol Acc HGNC 2334
B05	SBH0257676	ENST00000574295.1	CRK	ENSG00000167193	CRK proto-oncogene, adaptor protein Source HGNC Symbol Acc HGNC 2362
B06	SBH0187022	ENST00000255030.9	CRP	ENSG00000132693	C-reactive protein Source HGNC Symbol Acc HGNC 2367
B07	SBH1219913	ENST00000420111.6	CSF1	ENSG00000184371	colony stimulating factor 1 Source HGNC Symbol Acc HGNC 2432
B08	SBH1219914	ENST00000296871.4	CSF2	ENSG00000164400	colony stimulating factor 2 Source HGNC Symbol Acc HGNC 2434
B09	SBH0646743	ENST00000569321.1	CSK	ENSG00000103653	C-terminal Src kinase Source HGNC Symbol Acc HGNC 2444
B10	SBH0392972	ENST00000595590.1	CYP2S1	ENSG00000167600	cytochrome P450 family 2 subfamily 5 member 1 Source HGNC Symbol Acc HGNC 15654
B11	SBH0055073	ENST00000484400.5	DOCK1	ENSG00000150760	dedicator of cytokinesis 1 Source HGNC Symbol Acc HGNC 2987
B12	SBH0119163	ENST00000256935.12	DOCK2	ENSG00000134516	dedicator of cytokinesis 2 Source HGNC Symbol Acc HGNC 2988
C01	SBH0522689	ENST00000448602.5	ELMO1	ENSG00000155849	engulfment and cell motility 1 Source HGNC Symbol Acc HGNC 16286
C02	SBH1219994	ENST00000652046.1	FAS	ENSG00000026103	Fas cell surface death receptor Source HGNC Symbol Acc HGNC 11920
C03	SBH0217739	ENST00000490414.1	FCER1G	ENSG00000158869	Fc fragment of IgE receptor Ig Source HGNC Symbol Acc HGNC 3611
C04	SBH0043666	ENST00000444948.5	FCGR1A	ENSG00000150337	Fc fragment of IgG receptor Ia Source HGNC Symbol Acc HGNC 3613
C05	SBH0643988	ENST00000491841.1	FCGR2A	ENSG00000143226	Fc fragment of IgG receptor IIa Source HGNC Symbol Acc HGNC 3616
C06	SBH0631373	ENST00000236937.13	FCGR2B	ENSG00000072694	Fc fragment of IgG receptor IIb Source HGNC Symbol Acc HGNC 3618
C07	SBH0633994	ENST00000518295.5	FYN	ENSG00000010180	FYN proto-oncogene, Src family tyrosine kinase Source HGNC Symbol Acc HGNC 4037
C08	SBH0386692	ENST00000479019.5	GULP1	ENSG00000144366	GULP PTB domain containing engulfment adaptor 1 Source HGNC Symbol Acc HGNC 18649
C09	SBH1220090	ENST00000229135.4	IFNG	ENSG00000111537	interferon gamma Source HGNC Symbol Acc HGNC 5438
C10	SBH0602785	ENST00000482701.5	IL1RL1	ENSG00000115602	interleukin 1 receptor like 1 Source HGNC Symbol Acc HGNC 5998
		ENST00000287		ENSG000000	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	SBH0245852	497.13	ITGAM	169896	integrin subunit alpha M Source HGNC Symbol Acc HGNC 6149
C12	SBH0064907	ENST00000460641.1	ITGAV	ENSG00000138448	integrin subunit alpha V Source HGNC Symbol Acc HGNC 6150
D01	SBH0032107	ENST00000397857.5	ITGB2	ENSG00000160255	integrin subunit beta 2 Source HGNC Symbol Acc HGNC 6155
D02	SBH0578082	ENST00000519728.6	LYN	ENSG00000254087	LYN proto-oncogene, Src family tyrosine kinase Source HGNC Symbol Acc HGNC 6735
D03	SBH0102441	ENST00000229795.7	MAPK14	ENSG00000112062	mitogen-activated protein kinase 14 Source HGNC Symbol Acc HGNC 6876
D04	SBH0172023	ENST00000412481.1	MARCO	ENSG00000019169	macrophage receptor with collagenous structure Source HGNC Symbol Acc HGNC 6895
D05	SBH0384612	ENST00000373968.3	MBL2	ENSG00000165471	mannose binding lectin 2 Source HGNC Symbol Acc HGNC 6922
D06	SBH0267335	ENST00000370587.5	MCOLN3	ENSG00000055732	mucolipin 3 Source HGNC Symbol Acc HGNC 13358
D07	SBH0627112	ENST00000439966.5	MERTK	ENSG00000153208	MER proto-oncogene, tyrosine kinase Source HGNC Symbol Acc HGNC 7027
D08	SBH0496465	ENST00000268150.13	MFGE8	ENSG00000140545	milk fat globule-EGF factor 8 protein Source HGNC Symbol Acc HGNC 7036
D09	SBH1220212	ENST00000215754.8	MIF	ENSG00000240972	macrophage migration inhibitory factor Source HGNC Symbol Acc HGNC 7097
D10	SBH1220230	ENST00000360270.7	MSN	ENSG00000147065	moesin Source HGNC Symbol Acc HGNC 7373
D11	SBH0303234	ENST00000648963.1	MYD88	ENSG00000172936	MYD88, innate immune signal transduction adaptor Source HGNC Symbol Acc HGNC 7562
D12	SBH1220271	ENST00000222823.9	NOD1	ENSG00000106100	nucleotide binding oligomerization domain containing 1 Source HGNC Symbol Acc HGNC 16390
E01	SBH1220299	ENST00000563924.6	PECAM1	ENSG00000261371	platelet and endothelial cell adhesion molecule 1 Source HGNC Symbol Acc HGNC 8823
E02	SBH0586208	ENST00000441902.6	PIP5K1A	ENSG00000143398	phosphatidylinositol-4-phosphate 5-kinase type 1 alpha Source HGNC Symbol Acc HGNC 8994
E03	SBH0564600	ENST00000466600.1	PLA2G4A	ENSG00000116711	phospholipase A2 group IVA Source HGNC Symbol Acc HGNC 9035
E04	SBH0356964	ENST00000489871.5	PLA2G5	ENSG00000127472	phospholipase A2 group V Source HGNC Symbol Acc HGNC 9038
E05	SBH0011147	ENST00000498278.5	PLD1	ENSG00000075651	phospholipase D1 Source HGNC Symbol Acc HGNC 9067
E06	SBH0553886	ENST00000263088.11	PLD2	ENSG00000129219	phospholipase D2 Source HGNC Symbol Acc HGNC 9068
E07	SBH0647980	ENST00000480453.5	PRKCE	ENSG00000171132	protein kinase C epsilon Source HGNC Symbol Acc HGNC 9401
E08	SBH0570462	ENST00000648853.1	PROS1	ENSG00000184500	protein S Source HGNC Symbol Acc HGNC 9456
E09	SBH1225378	ENST00000371953.8	PTEN	ENSG00000171862	phosphatase and tensin homolog Source HGNC Symbol Acc HGNC 9588
E10	SBH0490773	ENST00000422242.1	RAB5A	ENSG00000144566	RAB5A, member RAS oncogene family Source HGNC Symbol Acc HGNC 9783
E11	SBH0342750	ENST00000265062.7	RAB7A	ENSG00000075785	RAB7A, member RAS oncogene family Source HGNC Symbol Acc HGNC 9788
E12	SBH1220352	ENST00000356142.4	RAC1	ENSG00000136238	Rac family small GTPase 1 Source HGNC Symbol Acc HGNC 9801
F01	SBH0241764	ENST00000249071.11	RAC2	ENSG00000128340	Rac family small GTPase 2 Source HGNC Symbol Acc HGNC 9802
F02	SBH0349213	ENST00000436179.1	RALA	ENSG00000006451	RAS like proto-oncogene A Source HGNC Symbol Acc HGNC 9839
F03	SBH0549529	ENST00000449649.1	RALB	ENSG00000144118	RAS like proto-oncogene B Source HGNC Symbol Acc HGNC 9840
F04	SBH0412466	ENST00000479866.5	RAPGEF3	ENSG00000079337	Rap guanine nucleotide exchange factor 3 Source HGNC Symbol Acc HGNC 16629
F05	SBH1220367	ENST00000418115.6	RHOA	ENSG00000067560	ras homolog family member A Source HGNC Symbol Acc HGNC 667
F06	SBH0416793	ENST00000546215.5	SCARB1	ENSG00000073060	scavenger receptor class B member 1 Source HGNC Symbol Acc HGNC 1664
F07	SBH1220389	ENST00000223095.4	SERPINE1	ENSG00000106366	serpin family E member 1 Source HGNC Symbol Acc HGNC 8583
F08	SBH1220396	ENST00000372292.8	SFTPD	ENSG00000133661	surfactant protein D Source HGNC Symbol Acc HGNC 10803
F09	SBH0123218	ENST00000419548.4	SIGLEC1	ENSG00000088827	sialic acid binding Ig like lectin 1 Source HGNC Symbol Acc HGNC 11127
F10	SBH0354283	ENST00000426296.1	SIGLEC11	ENSG00000161640	sialic acid binding Ig like lectin 11 Source HGNC Symbol Acc HGNC 15622

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	SBH0020292	ENST00000565230.5	SIRPB1	ENSG00000101307	signal regulatory protein beta 1 Source HGNC Symbol Acc HGNC 15928
F12	SBH0118028	ENST00000388887.7	STAB2	ENSG00000136011	stabilin 2 Source HGNC Symbol Acc HGNC 18629
G01	SBH0270115	ENST00000505286.5	STX18	ENSG00000168818	syntaxin 18 Source HGNC Symbol Acc HGNC 15942
G02	SBH0411535	ENST00000375746.1	SYK	ENSG00000165025	spleen associated tyrosine kinase Source HGNC Symbol Acc HGNC 11491
G03	SBH1220449	ENST00000373403.7	TGM2	ENSG00000198959	transglutaminase 2 Source HGNC Symbol Acc HGNC 11778
G04	SBH1220451	ENST00000248244.5	TICAM1	ENSG00000127666	toll like receptor adaptor molecule 1 Source NCBI gene Acc 148022
G05	SBH1220462	ENST00000513189.1	TLR3	ENSG00000164342	toll like receptor 3 Source HGNC Symbol Acc HGNC 11849
G06	SBH1220466	ENST00000360658.2	TLR9	ENSG00000239732	toll like receptor 9 Source HGNC Symbol Acc HGNC 15633
G07	SBH1220471	ENST00000449264.3	TNF	ENSG00000232810	tumor necrosis factor Source HGNC Symbol Acc HGNC 11892
G08	SBH1220478	ENST00000239849.8	TNFSF11	ENSG00000120659	TNF superfamily member 11 Source HGNC Symbol Acc HGNC 11926
G09	SBH0516477	ENST00000479687.6	VAMP7	ENSG00000124333	vesicle associated membrane protein 7 Source HGNC Symbol Acc HGNC 11486
G10	SBH0216129	ENST00000596764.5	VAV1	ENSG00000141968	vav guanine nucleotide exchange factor 1 Source HGNC Symbol Acc HGNC 12657
G11	SBH0659210	ENST00000483750.5	WAS	ENSG00000015285	Wiskott-Aldrich syndrome Source HGNC Symbol Acc HGNC 12731
G12	SBH0548767	ENST00000264634.8	WNT5A	ENSG00000114251	Wnt family member 5A Source HGNC Symbol Acc HGNC 12784
H01	SBH1220543	ENST00000646664.1	ACTB	ENSG00000075624	actin beta Source HGNC Symbol Acc HGNC 132
H02	SBH1220550	ENST00000558401.6	B2M	ENSG00000166710	beta-2-microglobulin Source HGNC Symbol Acc HGNC 914
H03	SBH1220545	ENST00000396861.5	GAPDH	ENSG00000111640	glyceraldehyde-3-phosphate dehydrogenase Source HGNC Symbol Acc HGNC 4141
H04	SBH1220546	ENST00000298556.8	HPRT1	ENSG00000165704	hypoxanthine phosphoribosyltransferase 1 Source HGNC Symbol Acc HGNC 5157
H05	SBH1220553	ENST00000546989.5	RPLP0	ENSG00000089157	ribosomal protein lateral stalk subunit P0 Source HGNC Symbol Acc HGNC 10371
H06	SBH1218553	Sybr_HGDC	HGDC	Sybr_HGDC	Human 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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