

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

Human Glucocorticoid Signaling

Cat. no. 249950 SBHS-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	ATF4	BCL6	BMPER
B	CALCR	CEBPA	CEBPB	COL4A2	CREB1	CREB3	CREB3L4	CCN2	CYB561	DDIT4	DIRAS2	DUSP1
C	EDN1	EHD3	ERRF1	FKBP5	FOSL2	GDPD1	GHRHR	GLUL	GOT1	H6PD	HAS2	HNRNPLL
D	IL10	IL1RN	IL6	IL6R	KLF13	KLF9	LOX	MERTK	MT1E	MT2A	NFKBIA	NR3C1
E	PDCD7	PDGFRB	PDP1	PER1	PER2	PIK3R1	PLD1	PLEKHF1	POU2F1	POU2F2	RASA3	RGS2
F	RHOB	RHOJ	SESN1	SGK1	SLC10A6	SLC19A2	SLC22A5	SNTA1	SPHK1	SPSB1	STAT5A	STAT5B
G	TBL1XR1	TNF	TNFAIP3	TSC22D3	USP2	USP54	VDR	VLDLR	XDH	ZFP36	ZHX3	ZNF281
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	SBH0198826	ENST00000496664.5	ADARB1	ENSG00000197381	adenosine deaminase, RNA specific B1 Source HGNC Symbol Acc HGNC 226
A02	SBH0458181	ENST00000544085.5	AFF1	ENSG00000172493	AF4/FMR2 family member 1 Source HGNC Symbol Acc HGNC 7135
A03	SBH0223340	ENST00000466029.1	AK2	ENSG00000004455	adenylate kinase 2 Source HGNC Symbol Acc HGNC 362
A04	SBH0646683	ENST00000532250.5	AMPD3	ENSG00000133805	adenosine monophosphate deaminase 3 Source HGNC Symbol Acc HGNC 470
A05	SBH0321217	ENST00000393962.6	ANGPTL4	ENSG00000167772	angiopoietin like 4 Source HGNC Symbol Acc HGNC 16039
A06	SBH0169675	ENST00000394295.6	ANXA4	ENSG00000196975	annexin A4 Source HGNC Symbol Acc HGNC 542
A07	SBH0349409	ENST00000482461.1	AQP1	ENSG00000240583	aquaporin 1 (Colton blood group) Source HGNC Symbol Acc HGNC 633
A08	SBH0548664	ENST00000644638.1	ARID5B	ENSG00000150347	AT-rich interaction domain 5B Source HGNC Symbol Acc HGNC 17362
A09	SBH0274447	ENST00000445642.6	ASPH	ENSG00000198363	aspartate beta-hydroxylase Source HGNC Symbol Acc HGNC 757
A10	SBH1219754	ENST00000404241.6	ATF4	ENSG00000128272	activating transcription factor 4 Source HGNC Symbol Acc HGNC 786
A11	SBH1219790	ENST00000232014.8	BCL6	ENSG00000113916	BCL6, transcription repressor Source HGNC Symbol Acc HGNC 1001
A12	SBH0000527	ENST00000297161.6	BMPER	ENSG00000164619	BMP binding endothelial regulator Source HGNC Symbol Acc HGNC 24154
B01	SBH0021274	ENST00000421592.6	CALCR	ENSG00000004948	calcitonin receptor Source HGNC Symbol Acc HGNC 1440
B02	SBH0261466	ENST00000498907.3	CEBPA	ENSG00000245848	CCAAT enhancer binding protein alpha Source HGNC Symbol Acc HGNC 1833
B03	SBH0569983	ENST00000303004.4	CEBPB	ENSG00000172216	CCAAT enhancer binding protein beta Source HGNC Symbol Acc HGNC 1834
B04	SBH0171200	ENST00000360467.6	COL4A2	ENSG00000134871	collagen type IV alpha 2 chain Source HGNC Symbol Acc HGNC 2203
B05	SBH0077258	ENST00000353267.8	CREB1	ENSG00000118260	cAMP responsive element binding protein 1 Source HGNC Symbol Acc HGNC 2345
B06	SBH0523698	ENST00000486056.1	CREB3	ENSG00000107175	cAMP responsive element binding protein 3 Source HGNC Symbol Acc HGNC 2347
B07	SBH0547366	ENST00000473340.1	CREB3L4	ENSG00000143578	cAMP responsive element binding protein 3 like 4 Source HGNC Symbol Acc HGNC 18854
B08	SBH1219917	ENST00000367976.4	CCN2	ENSG00000118523	cellular communication network factor 2 Source HGNC Symbol Acc HGNC 2500
B09	SBH0175117	ENST00000448884.6	CYB561	ENSG00000008283	cytochrome b561 Source HGNC Symbol Acc HGNC 2571
B10	SBH0065799	ENST00000307365.4	DDIT4	ENSG00000168209	DNA damage inducible transcript 4 Source HGNC Symbol Acc HGNC 24944
B11	SBH0632847	ENST00000375765.5	DIRAS2	ENSG00000165023	DIRAS family GTPase 2 Source HGNC Symbol Acc HGNC 19323
B12	SBH1219962	ENST00000239223.4	DUSP1	ENSG00000120129	dual specificity phosphatase 1 Source HGNC Symbol Acc HGNC 3064
C01	SBH1219968	ENST00000379375.6	EDN1	ENSG00000078401	endothelin 1 Source HGNC Symbol Acc HGNC 3176
C02	SBH0335166	ENST00000322054.10	EHD3	ENSG000000103016	EH domain containing 3 Source HGNC Symbol Acc HGNC 3244
C03	SBH0047426	ENST00000469499.5	ERRF1	ENSG00000116285	ERBB receptor feedback inhibitor 1 Source HGNC Symbol Acc HGNC 18185
C04	SBH0482535	ENST00000357266.8	FKBP5	ENSG00000096060	FKBP prolyl isomerase 5 Source HGNC Symbol Acc HGNC 3721
C05	SBH0511114	ENST00000460736.1	FOSL2	ENSG00000075426	FOS like 2, AP-1 transcription factor subunit Source HGNC Symbol Acc HGNC 3798
C06	SBH0181634	ENST00000581140.5	GDPD1	ENSG00000153982	glycerophosphodiester phosphodiesterase domain containing 1 Source HGNC Symbol Acc HGNC 20883
C07	SBH0128423	ENST00000326139.7	GHRHR	ENSG00000106128	growth hormone releasing hormone receptor Source HGNC Symbol Acc HGNC 4266
C08	SBH0236904	ENST00000417584.6	GLUL	ENSG00000135821	glutamate-ammonia ligase Source HGNC Symbol Acc HGNC 4341
C09	SBH0268812	ENST00000489349.1	GOT1	ENSG00000120053	glutamic-oxaloacetic transaminase 1 Source HGNC Symbol Acc HGNC 4432
C10	SBH1220046	ENST00000602477.1	H6PD	ENSG00000049239	hexose-6-phosphate dehydrogenase/glucose 1-dehydrogenase Source HGNC Symbol Acc HGNC 4795
		ENST00000303		ENSG000000	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	SBH0264564	924.5	HAS2	170961	hyaluronan synthase 2 Source HGNC Symbol Acc HGNC 4819
C12	SBH0133701	ENST00000608859.5	HNRNPLL	ENSG00000143889	heterogeneous nuclear ribonucleoprotein L like Source HGNC Symbol Acc HGNC 25127
D01	SBH1220095	ENST00000423557.1	IL10	ENSG00000136634	interleukin 10 Source HGNC Symbol Acc HGNC 5962
D02	SBH0473919	ENST00000354115.6	IL1RN	ENSG00000136689	interleukin 1 receptor antagonist Source HGNC Symbol Acc HGNC 6000
D03	SBH1220111	ENST00000401630.7	IL6	ENSG00000136244	interleukin 6 Source HGNC Symbol Acc HGNC 6018
D04	SBH1220112	ENST00000368485.8	IL6R	ENSG00000160712	interleukin 6 receptor Source HGNC Symbol Acc HGNC 6019
D05	SBH0209895	ENST00000500533.3	KLF13	ENSG00000169926	Kruppel like factor 13 Source HGNC Symbol Acc HGNC 13672
D06	SBH0643180	ENST00000377126.3	KLF9	ENSG00000119138	Kruppel like factor 9 Source HGNC Symbol Acc HGNC 1123
D07	SBH1220174	ENST00000639739.1	LOX	ENSG00000113083	lysyl oxidase Source HGNC Symbol Acc HGNC 6664
D08	SBH0627112	ENST00000439966.5	MERTK	ENSG00000153208	MER proto-oncogene, tyrosine kinase Source HGNC Symbol Acc HGNC 7027
D09	SBH0568554	ENST00000568293.1	MT1E	ENSG00000169715	metallothionein 1E Source HGNC Symbol Acc HGNC 7397
D10	SBH0576025	ENST00000245185.6	MT2A	ENSG00000125148	metallothionein 2A Source HGNC Symbol Acc HGNC 7406
D11	SBH0552847	ENST00000216797.9	NFKBIA	ENSG00000100906	NFKB inhibitor alpha Source HGNC Symbol Acc HGNC 7797
D12	SBH1220280	ENST00000652686.1	NR3C1	ENSG00000113580	nuclear receptor subfamily 3 group C member 1 Source HGNC Symbol Acc HGNC 7978
E01	SBH0518023	ENST00000560313.2	PCD7	ENSG00000090470	programmed cell death 7 Source HGNC Symbol Acc HGNC 8767
E02	SBH1220293	ENST00000261799.9	PDGFRB	ENSG00000113721	platelet derived growth factor receptor beta Source HGNC Symbol Acc HGNC 8804
E03	SBH0098639	ENST00000297598.5	PDP1	ENSG00000164951	pyruvate dehydrogenase phosphatase catalytic subunit 1 Source HGNC Symbol Acc HGNC 9279
E04	SBH0546364	ENST00000578089.1	PER1	ENSG00000179094	period circadian regulator 1 Source NCBI gene Acc 5187
E05	SBH0088694	ENST00000355768.6	PER2	ENSG00000132326	period circadian regulator 2 Source HGNC Symbol Acc HGNC 8846
E06	SBH0560623	ENST00000518813.5	PIK3R1	ENSG00000145675	phosphoinositide-3-kinase regulatory subunit 1 Source HGNC Symbol Acc HGNC 8979
E07	SBH0011147	ENST00000498278.5	PLD1	ENSG00000075651	phospholipase D1 Source HGNC Symbol Acc HGNC 9067
E08	SBH0570545	ENST00000436066.4	PLEKHF1	ENSG00000166289	pleckstrin homology and FYVE domain containing 1 Source HGNC Symbol Acc HGNC 20764
E09	SBH0546633	ENST00000429375.6	POU2F1	ENSG00000143190	POU class 2 homeobox 1 Source HGNC Symbol Acc HGNC 9212
E10	SBH0111562	ENST00000625670.2	POU2F2	ENSG00000028277	POU class 2 homeobox 2 Source HGNC Symbol Acc HGNC 9213
E11	SBH0298230	ENST00000542651.2	RASA3	ENSG00000185989	RAS p21 protein activator 3 Source HGNC Symbol Acc HGNC 20331
E12	SBH1220366	ENST00000235382.7	RGS2	ENSG00000116741	regulator of G protein signaling 2 Source HGNC Symbol Acc HGNC 9998
F01	SBH0318552	ENST00000272233.5	RHOB	ENSG00000143878	ras homolog family member B Source HGNC Symbol Acc HGNC 668
F02	SBH0017422	ENST00000557133.1	RHOJ	ENSG00000126785	ras homolog family member J Source HGNC Symbol Acc HGNC 688
F03	SBH0106575	ENST00000520364.1	SESN1	ENSG00000080546	sestrin 1 Source HGNC Symbol Acc HGNC 21595
F04	SBH0624710	ENST00000528577.5	SGK1	ENSG00000118515	serum/glucocorticoid regulated kinase 1 Source HGNC Symbol Acc HGNC 10810
F05	SBH0413861	ENST00000273905.6	SLC10A6	ENSG00000145283	solute carrier family 10 member 6 Source HGNC Symbol Acc HGNC 30603
F06	SBH0497909	ENST00000646527.1	SLC19A2	ENSG00000117479	solute carrier family 19 member 2 Source HGNC Symbol Acc HGNC 10938
F07	SBH0140119	ENST00000447841.5	SLC22A5	ENSG00000197375	solute carrier family 22 member 5 Source HGNC Symbol Acc HGNC 10969
F08	SBH0012027	ENST00000217381.2	SNTA1	ENSG00000101400	syntrophin alpha 1 Source HGNC Symbol Acc HGNC 11167
F09	SBH1220421	ENST00000545180.5	SPHK1	ENSG00000176170	sphingosine kinase 1 Source NCBI gene Acc 8877
F10	SBH0109794	ENST00000328089.11	SPSB1	ENSG00000171621	splA/ryanodine receptor domain and SOCS box containing 1 Source HGNC Symbol Acc HGNC 30628

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	SBH0335854	ENST00000345506.8	STAT5A	ENSG00000126561	signal transducer and activator of transcription 5A Source HGNC Symbol Acc HGNC 11366
F12	SBH0472958	ENST00000481253.2	STAT5B	ENSG00000173757	signal transducer and activator of transcription 5B Source HGNC Symbol Acc HGNC 11367
G01	SBH0552903	ENST00000635794.1	TBL1XR1	ENSG00000177565	transducin beta like 1 X-linked receptor 1 Source HGNC Symbol Acc HGNC 29529
G02	SBH1220471	ENST00000449264.3	TNF	ENSG00000232810	tumor necrosis factor Source HGNC Symbol Acc HGNC 11892
G03	SBH0348756	ENST00000614035.4	TNFAIP3	ENSG00000118503	TNF alpha induced protein 3 Source HGNC Symbol Acc HGNC 11896
G04	SBH0621912	ENST00000315660.8	TSC22D3	ENSG00000157514	TSC22 domain family member 3 Source HGNC Symbol Acc HGNC 3051
G05	SBH0268852	ENST00000525189.5	USP2	ENSG00000036672	ubiquitin specific peptidase 2 Source HGNC Symbol Acc HGNC 12618
G06	SBH0379610	ENST00000497106.5	USP54	ENSG00000166348	ubiquitin specific peptidase 54 Source HGNC Symbol Acc HGNC 23513
G07	SBH0641867	ENST00000546653.5	VDR	ENSG00000111424	vitamin D receptor Source HGNC Symbol Acc HGNC 12679
G08	SBH0483127	ENST00000382099.2	VLDLR	ENSG00000147852	very low density lipoprotein receptor Source HGNC Symbol Acc HGNC 12698
G09	SBH0661683	ENST00000379416.4	XDH	ENSG00000158125	xanthine dehydrogenase Source HGNC Symbol Acc HGNC 12805
G10	SBH0121986	ENST00000597629.2	ZFP36	ENSG00000128016	ZFP36 ring finger protein Source NCBI gene Acc 7538
G11	SBH0450942	ENST00000373261.5	ZHX3	ENSG00000174306	zinc fingers and homeoboxes 3 Source HGNC Symbol Acc HGNC 15935
G12	SBH0195788	ENST00000294740.3	ZNF281	ENSG00000162702	zinc finger protein 281 Source HGNC Symbol Acc HGNC 13075
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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