

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

Human Antibacterial Response

Cat. no. 249955 UPHS-148ZR

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	AKT1	APCS	BIRC3	BP1	CAMP	CARD6	CARD9	CASP1	CASP8	CCL3	CCL5	CD14
B	CHUK	CRP	CTSG	CXCL1	CXCL2	DMBT1	FADD	HSP90AA1	IFNA1	IFNB1	IKKBK	IL12A
C	IL12B	IL18	IL1B	IL6	CXCL8	IRAK1	IRAK3	IRF5	IRF7	JUN	LBP	LCN2
D	LTF	LY96	LYZ	MAP2K1	MAP2K3	MAP2K4	MAP3K7	MAPK1	MAPK14	MAPK3	MAPK8	MEFV
E	MPO	MYD88	NAIP	NFKB1	NFKBIA	NLR4	NLRP1	NLRP3	NOD1	NOD2	PIK3CA	PRTN3
F	PSTPIP1	PYCARD	RAC1	RELA	RIPK1	RIPK2	SLC11A1	SLPI	SUGT1	TICAM1	TICAM2	TIRAP
G	TLR1	TLR2	TLR4	TLR5	TLR6	TLR9	TNF	TNFRSF1A	TOLLIP	TRAF6	XIAP	ZBP1
H	ACTB	B2M	GAPDH	HPRT1	RPLP0	HGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA Probe PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFH0453992	ENST00000555528.5	AKT1	ENSG00000142208	AKT serine/threonine kinase 1 Source HGNC Symbol Acc HGNC 391
A02	UPFH1132777	ENST00000255040.3	APCS	ENSG00000132703	amyloid P component, serum Source HGNC Symbol Acc HGNC 584
A03	UPFH0113281	ENST00000615299.4	BIRC3	ENSG00000023445	baculoviral IAP repeat containing 3 Source HGNC Symbol Acc HGNC 591
A04	UPFH0238816	ENST00000642449.1	BPI	ENSG00000101425	bactericidal permeability increasing protein Source HGNC Symbol Acc HGNC 1095
A05	UPFH0208820	ENST00000652295.1	CAMP	ENSG00000164047	cathelicidin antimicrobial peptide Source HGNC Symbol Acc HGNC 1472
A06	UPFH0047688	ENST00000254691.10	CARD6	ENSG00000132357	caspase recruitment domain family member 6 Source HGNC Symbol Acc HGNC 16394
A07	UPFH0389718	ENST00000371732.9	CARD9	ENSG00000187796	caspase recruitment domain family member 9 Source HGNC Symbol Acc HGNC 16391
A08	UPFH0285144	ENST00000436863.7	CASP1	ENSG00000137752	caspase 1 Source HGNC Symbol Acc HGNC 1499
A09	UPFH0522971	ENST00000264275.9	CASP8	ENSG00000064012	caspase 8 Source HGNC Symbol Acc HGNC 1509
A10	UPFH1132784	ENST00000613922.2	CCL3	ENSG000000277632	C-C motif chemokine ligand 3 Source HGNC Symbol Acc HGNC 10627
A11	UPFH1132786	ENST00000603197.6	CCL5	ENSG000000271503	C-C motif chemokine ligand 5 Source HGNC Symbol Acc HGNC 10632
A12	UPFH0199310	ENST00000302014.11	CD14	ENSG00000170458	CD14 molecule Source HGNC Symbol Acc HGNC 1628
B01	UPFH1132316	ENST00000370397.8	CHUK	ENSG000000213341	conserved helix-loop-helix ubiquitous kinase Source HGNC Symbol Acc HGNC 1974
B02	UPFH0143745	ENST00000255030.9	CRP	ENSG000000132693	C-reactive protein Source HGNC Symbol Acc HGNC 2367
B03	UPFH0348615	ENST00000216336.3	CTSG	ENSG000000100448	cathepsin G Source HGNC Symbol Acc HGNC 2532
B04	UPFH0494346	ENST00000395761.3	CXCL1	ENSG000000163739	C-X-C motif chemokine ligand 1 Source HGNC Symbol Acc HGNC 4602
B05	UPFH1132349	ENST00000508487.3	CXCL2	ENSG00000081041	C-X-C motif chemokine ligand 2 Source HGNC Symbol Acc HGNC 4603
B06	UPFH0342800	ENST00000368909.7	DMBT1	ENSG000000187908	deleted in malignant brain tumors 1 Source HGNC Symbol Acc HGNC 2926
B07	UPFH1132906	ENST00000301838.4	FADD	ENSG000000168040	Fas associated via death domain Source HGNC Symbol Acc HGNC 3573
B08	UPFH0292880	ENST00000334701.11	HSP90AA1	ENSG000000080824	heat shock protein 90 alpha family class A member 1 Source HGNC Symbol Acc HGNC 5253
B09	UPFH0577805	ENST00000276927.2	IFNA1	ENSG000000197919	interferon alpha 1 Source HGNC Symbol Acc HGNC 5417
B10	UPFH1132806	ENST00000380232.4	IFNB1	ENSG000000171855	interferon beta 1 Source HGNC Symbol Acc HGNC 5434
B11	UPFH0596293	ENST00000649612.2	IKBKB	ENSG000000104365	inhibitor of nuclear factor kappa B kinase subunit beta Source HGNC Symbol Acc HGNC 5960
B12	UPFH1132478	ENST00000466512.1	IL12A	ENSG000000168811	interleukin 12A Source HGNC Symbol Acc HGNC 5969
C01	UPFH0131869	ENST00000231228.2	IL12B	ENSG000000113302	interleukin 12B Source HGNC Symbol Acc HGNC 5970
C02	UPFH1132481	ENST00000528832.1	IL18	ENSG000000150782	interleukin 18 Source HGNC Symbol Acc HGNC 5986
C03	UPFH0163764	ENST00000263341.6	IL1B	ENSG000000125538	interleukin 1 beta Source HGNC Symbol Acc HGNC 5992
C04	UPFH1172910	ENST00000258743.10	IL6	ENSG000000136244	interleukin 6 Source HGNC Symbol Acc HGNC 6018
C05	UPFH0120553	ENST00000307407.8	CXCL8	ENSG000000169429	C-X-C motif chemokine ligand 8 Source HGNC Symbol Acc HGNC 6025
C06	UPFH1132489	ENST00000393687.6	IRAK1	ENSG000000184216	interleukin 1 receptor associated kinase 1 Source HGNC Symbol Acc HGNC 6112
C07	UPFH0548434	ENST00000457197.2	IRAK3	ENSG000000090376	interleukin 1 receptor associated kinase 3 Source HGNC Symbol Acc HGNC 17020
C08	UPFH1132492	ENST00000479582.5	IRF5	ENSG000000128604	interferon regulatory factor 5 Source HGNC Symbol Acc HGNC 6120
C09	UPFH1132493	ENST00000348655.11	IRF7	ENSG000000185507	interferon regulatory factor 7 Source HGNC Symbol Acc HGNC 6122
C10	UPFH0569765	ENST00000371222.3	JUN	ENSG000000177606	Jun proto-oncogene, AP-1 transcription factor subunit Source HGNC Symbol Acc HGNC 6204
		ENST00000217		ENSG000000	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	UPFH0214867	407.3	LBP	129988	lipopolysaccharide binding protein Source HGNC Symbol Acc HGNC 6517
C12	UPFH0258851	ENST00000277480.7	LCN2	ENSG00000148346	lipocalin 2 Source HGNC Symbol Acc HGNC 6526
D01	UPFH0167211	ENST00000231751.8	LTF	ENSG00000012223	lactotransferrin Source HGNC Symbol Acc HGNC 6720
D02	UPFH0180748	ENST00000284818.6	LY96	ENSG000000154589	lymphocyte antigen 96 Source HGNC Symbol Acc HGNC 17156
D03	UPFH0398421	ENST00000261267.6	LYZ	ENSG000000090382	lysozyme Source HGNC Symbol Acc HGNC 6740
D04	UPFH1132932	ENST00000307102.9	MAP2K1	ENSG000000169032	mitogen-activated protein kinase kinase 1 Source HGNC Symbol Acc HGNC 6840
D05	UPFH0309340	ENST00000361818.9	MAP2K3	ENSG000000034152	mitogen-activated protein kinase kinase 3 Source HGNC Symbol Acc HGNC 6843
D06	UPFH1132531	ENST00000353533.10	MAP2K4	ENSG000000065559	mitogen-activated protein kinase kinase 4 Source HGNC Symbol Acc HGNC 6844
D07	UPFH0381277	ENST00000369327.7	MAP3K7	ENSG000000135341	mitogen-activated protein kinase kinase 7 Source HGNC Symbol Acc HGNC 6859
D08	UPFH0366815	ENST00000215832.10	MAPK1	ENSG000000100030	mitogen-activated protein kinase 1 Source HGNC Symbol Acc HGNC 6871
D09	UPFH0068247	ENST00000229795.7	MAPK14	ENSG000000112062	mitogen-activated protein kinase 14 Source HGNC Symbol Acc HGNC 6876
D10	UPFH1132534	ENST00000481230.1	MAPK3	ENSG000000102882	mitogen-activated protein kinase 3 Source HGNC Symbol Acc HGNC 6877
D11	UPFH1132535	ENST00000374179.8	MAPK8	ENSG000000107643	mitogen-activated protein kinase 8 Source HGNC Symbol Acc HGNC 6881
D12	UPFH0374121	ENST00000219596.5	MEFV	ENSG000000103313	MEFV, pyrin innate immunity regulator Source HGNC Symbol Acc HGNC 6998
E01	UPFH0147710	ENST00000225275.3	MPO	ENSG000000005381	myeloperoxidase Source HGNC Symbol Acc HGNC 7218
E02	UPFH1125930	ENST00000648963.1	MYD88	ENSG000000172936	MYD88, innate immune signal transduction adaptor Source HGNC Symbol Acc HGNC 7562
E03	UPFH1132565	ENST00000503719.6	NAIP	ENSG000000249437	NLR family apoptosis inhibitory protein Source HGNC Symbol Acc HGNC 7634
E04	UPFH1132828	ENST00000226574.9	NFKB1	ENSG000000109320	nuclear factor kappa B subunit 1 Source HGNC Symbol Acc HGNC 7794
E05	UPFH0444462	ENST00000216797.2	NFKBIA	ENSG000000100906	NFKB inhibitor alpha Source HGNC Symbol Acc HGNC 7797
E06	UPFH0596796	ENST00000652197.1	NLRC4	ENSG000000091106	NLR family CARD domain containing 4 Source HGNC Symbol Acc HGNC 16412
E07	UPFH0053970	ENST00000345221.7	NLRP1	ENSG000000091592	NLR family pyrin domain containing 1 Source HGNC Symbol Acc HGNC 14374
E08	UPFH0575199	ENST00000348069.6	NLRP3	ENSG000000162711	NLR family pyrin domain containing 3 Source HGNC Symbol Acc HGNC 16400
E09	UPFH1132916	ENST00000222823.9	NOD1	ENSG000000106100	nucleotide binding oligomerization domain containing 1 Source HGNC Symbol Acc HGNC 16390
E10	UPFH0235722	ENST00000300589.6	NOD2	ENSG000000167207	nucleotide binding oligomerization domain containing 2 Source HGNC Symbol Acc HGNC 5331
E11	UPFH0109251	ENST00000462255.1	PIK3CA	ENSG000000121879	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha Source HGNC Symbol Acc HGNC 8975
E12	UPFH0162104	ENST00000544537.2	PRTN3	ENSG000000196415	proteinase 3 Source HGNC Symbol Acc HGNC 9495
F01	UPFH0535563	ENST00000558012.5	PSTPIP1	ENSG000000140368	proline-serine-threonine phosphatase interacting protein 1 Source HGNC Symbol Acc HGNC 9580
F02	UPFH1133183	ENST00000247470.10	PYCARD	ENSG000000103490	PYD and CARD domain containing Source HGNC Symbol Acc HGNC 16608
F03	UPFH1132648	ENST00000348035.9	RAC1	ENSG000000136238	Rac family small GTPase 1 Source HGNC Symbol Acc HGNC 9801
F04	UPFH1132884	ENST00000615805.4	RELA	ENSG000000173039	RELA proto-oncogene, NF-kB subunit Source HGNC Symbol Acc HGNC 9955
F05	UPFH0390785	ENST00000380409.2	RIPK1	ENSG000000137275	receptor interacting serine/threonine kinase 1 Source HGNC Symbol Acc HGNC 10019
F06	UPFH1132658	ENST00000220751.5	RIPK2	ENSG000000104312	receptor interacting serine/threonine kinase 2 Source HGNC Symbol Acc HGNC 10020
F07	UPFH1132682	ENST00000233202.11	SLC11A1	ENSG000000018280	solute carrier family 11 member 1 Source HGNC Symbol Acc HGNC 10907
F08	UPFH0063870	ENST00000338380.2	SLPI	ENSG000000124107	secretory leukocyte peptidase inhibitor Source HGNC Symbol Acc HGNC 11092
F09	UPFH1132702	ENST00000310528.8	SUGT1	ENSG000000165416	SGT1 homolog, MIS12 kinetochore complex assembly cochaperone Source HGNC Symbol Acc HGNC 16987
F10	UPFH1132848	ENST00000248244.5	TICAM1	ENSG000000127666	toll like receptor adaptor molecule 1 Source NCBI gene Acc 148022

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFH1132924	ENST00000427199.2	TICAM2	ENSG00000243414	toll like receptor adaptor molecule 2 Source HGNC Symbol Acc HGNC 21354
F12	UPFH0331111	ENST00000392680.6	TIRAP	ENSG00000150455	TIR domain containing adaptor protein Source HGNC Symbol Acc HGNC 17192
G01	UPFH0034752	ENST00000308979.7	TLR1	ENSG00000174125	toll like receptor 1 Source HGNC Symbol Acc HGNC 11847
G02	UPFH0035742	ENST00000642700.1	TLR2	ENSG00000137462	toll like receptor 2 Source HGNC Symbol Acc HGNC 11848
G03	UPFH1132859	ENST00000645071.1	TLR4	ENSG00000136869	toll like receptor 4 Source HGNC Symbol Acc HGNC 11850
G04	UPFH1132729	ENST00000366881.6	TLR5	ENSG00000187554	toll like receptor 5 Source HGNC Symbol Acc HGNC 11851
G05	UPFH1172914	ENST00000508254.5	TLR6	ENSG00000174130	toll like receptor 6 Source HGNC Symbol Acc HGNC 16711
G06	UPFH1172915	ENST00000360658.2	TLR9	ENSG00000239732	toll like receptor 9 Source HGNC Symbol Acc HGNC 15633
G07	UPFH1132978	ENST00000449264.3	TNF	ENSG00000232810	tumor necrosis factor Source HGNC Symbol Acc HGNC 11892
G08	UPFH1132732	ENST00000162749.6	TNFRSF1A	ENSG00000067182	TNF receptor superfamily member 1A Source HGNC Symbol Acc HGNC 11916
G09	UPFH0007721	ENST00000528719.1	TOLLIP	ENSG00000078902	toll interacting protein Source HGNC Symbol Acc HGNC 16476
G10	UPFH1132739	ENST00000348124.5	TRAF6	ENSG00000175104	TNF receptor associated factor 6 Source HGNC Symbol Acc HGNC 12036
G11	UPFH0572864	ENST00000371199.7	XIAP	ENSG00000101966	X-linked inhibitor of apoptosis Source HGNC Symbol Acc HGNC 592
G12	UPFH0203508	ENST00000371173.8	ZBP1	ENSG00000124256	Z-DNA binding protein 1 Source HGNC Symbol Acc HGNC 16176
H01	UPFH1132936	ENST00000646664.1	ACTB	ENSG00000075624	actin beta Source HGNC Symbol Acc HGNC 132
H02	UPFH1132937	ENST00000544417.5	B2M	ENSG00000166710	beta-2-microglobulin Source HGNC Symbol Acc HGNC 914
H03	UPFH1132938	ENST00000229239.10	GAPDH	ENSG00000111640	glyceraldehyde-3-phosphate dehydrogenase Source HGNC Symbol Acc HGNC 4141
H04	UPFH1132939	ENST00000298556.8	HPRT1	ENSG00000165704	hypoxanthine phosphoribosyltransferase 1 Source HGNC Symbol Acc HGNC 5157
H05	UPFH1132941	ENST00000392514.9	RPLP0	ENSG00000089157	ribosomal protein lateral stalk subunit P0 Source HGNC Symbol Acc HGNC 10371
H06	UPFH1126608	UPL_HGDC	HGDC	UPL_HGDC	Human 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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