QuantiNova® LNA® Probe PCR Focus Panels (96-Well Format and 384-Well [4 x 96] Format)

Human Nuclear Receptors & Coregulators

Cat. no. 249955 UPHS-056ZA

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 (96-well): QuantiNova LNA Probe PCR Focus Panel

For the 384-well (4 × 96) PCR panels, genes are present in a staggered format. 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	AHR	AR	ARNT	BRD8	COPS2	CREBBP	DDX5	ESR1	ESR2	ESRRA	ESRRB	ESRRG
B	HDAC1	HDAC2	HDAC3	HDAC4	HDAC5	HDAC6	HDAC7	HNF4A	ITGB3BP	KAT2B	KAT5	MED1
C	MED12	MED13	MED14	MED16	MED17	MED24	MED4	MTA1	NCOA1	NCOA2	NCOA3	NCOA4
D	NCOA6	NCOR1	NCOR2	NFKB2	NONO	NOTCH2	NR0B1	NR0B2	NR1D1	NR1D2	NR1H2	NR1H3
E	NR1H4	NR1I2	NR1I3	NR2C1	NR2C2	NR2E3	NR2F1	NR2F2	NR2F6	NR3C1	NR3C2	NR4A1
F	NR5A1	NR6A1	NRIP1	PGR	PPARA	PPARD	PPARG	PPARGC1A	PPARGC1B	PSMC3	PSMC5	RARA
G	RARB	RARG	RBPJ	RORA	RXRA	RXRB	RXRG	TGS1	THRA	THRB	TRIP4	VDR
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	UPFH0406527	ENST00000463496.1	AHR	ENSG00000106546	aryl hydrocarbon receptor Source HGNC Symbol Acc HGNC 348
A02	UPFH0268128	ENST00000374690.8	AR	ENSG00000169083	androgen receptor Source HGNC Symbol Acc HGNC 644
A03	UPFH1132241	ENST00000354396.6	ARNT	ENSG00000143437	aryl hydrocarbon receptor nuclear translocator Source HGNC Symbol Acc HGNC 700
A04	UPFH0062823	ENST00000254900.9	BRD8	ENSG00000112983	bromodomain containing 8 Source HGNC Symbol Acc HGNC 19874
A05	UPFH0163917	ENST00000561248.1	COPS2	ENSG00000166200	COP9 signalosome subunit 2 Source HGNC Symbol Acc HGNC 30747
A06	UPFH0338543	ENST00000573517.6	CREBBP	ENSG00000005339	CREB binding protein Source HGNC Symbol Acc HGNC 2348
A07	UPFH0501013	ENST00000630471.2	DDX5	ENSG00000108654	DEAD-box helicase 5 Source HGNC Symbol Acc HGNC 2746
A08	UPFH0599047	ENST00000206249.7	ESR1	ENSG00000091831	estrogen receptor 1 Source HGNC Symbol Acc HGNC 3467
A09	UPFH0094598	ENST00000358599.9	ESR2	ENSG00000140009	estrogen receptor 2 Source HGNC Symbol Acc HGNC 3468
A10	UPFH0612502	ENST00000539594.5	ESRRA	ENSG00000173153	estrogen related receptor alpha Source HGNC Symbol Acc HGNC 3471
A11	UPFH0597464	ENST00000509242.5	ESRRB	ENSG00000119715	estrogen related receptor beta Source HGNC Symbol Acc HGNC 3473
A12	UPFH0159238	ENST00000366937.5	ESRRG	ENSG00000196482	estrogen related receptor gamma Source HGNC Symbol Acc HGNC 3474
B01	UPFH1132434	ENST00000373548.8	HDAC1	ENSG00000116478	histone deacetylase 1 Source HGNC Symbol Acc HGNC 4852
B02	UPFH1132437	ENST00000519065.6	HDAC2	ENSG00000196591	histone deacetylase 2 Source HGNC Symbol Acc HGNC 4853
B03	UPFH1132438	ENST00000305264.8	HDAC3	ENSG00000171720	histone deacetylase 3 Source HGNC Symbol Acc HGNC 4854
B04	UPFH0101499	ENST00000345617.7	HDAC4	ENSG00000068024	histone deacetylase 4 Source HGNC Symbol Acc HGNC 14063
B05	UPFH1132439	ENST00000225983.10	HDAC5	ENSG00000108840	histone deacetylase 5 Source HGNC Symbol Acc HGNC 14068
B06	UPFH0614515	ENST00000334136.10	HDAC6	ENSG00000094631	histone deacetylase 6 Source HGNC Symbol Acc HGNC 14064
B07	UPFH1132440	ENST00000380610.8	HDAC7	ENSG00000061273	histone deacetylase 7 Source HGNC Symbol Acc HGNC 14067
B08	UPFH0223088	ENST00000372920.1	HNF4A	ENSG00000101076	hepatocyte nuclear factor 4 alpha Source HGNC Symbol Acc HGNC 5024
B09	UPFH0051589	ENST00000465781.5	ITGB3BP	ENSG00000142856	integrin subunit beta 3 binding protein Source HGNC Symbol Acc HGNC 6157
B10	UPFH0515603	ENST00000263754.5	KAT2B	ENSG00000114166	lysine acetyltransferase 2B Source HGNC Symbol Acc HGNC 8638
B11	UPFH1132506	ENST00000534650.5	KAT5	ENSG00000172977	lysine acetyltransferase 5 Source HGNC Symbol Acc HGNC 5275
B12	UPFH0158491	ENST00000394287.7	MED1	ENSG00000125686	mediator complex subunit 1 Source HGNC Symbol Acc HGNC 9234
C01	UPFH0360764	ENST00000444034.1	MED12	ENSG00000184634	mediator complex subunit 12 Source HGNC Symbol Acc HGNC 11957
C02	UPFH0567873	ENST00000397786.7	MED13	ENSG00000108510	mediator complex subunit 13 Source HGNC Symbol Acc HGNC 22474
C03	UPFH0448863	ENST00000416199.5	MED14	ENSG00000180182	mediator complex subunit 14 Source HGNC Symbol Acc HGNC 2370
C04	UPFH0373051	ENST00000592943.5	MED16	ENSG00000175221	mediator complex subunit 16 Source HGNC Symbol Acc HGNC 17556
C05	UPFH0576088	ENST00000529626.2	MED17	ENSG00000042429	mediator complex subunit 17 Source HGNC Symbol Acc HGNC 2375
C06	UPFH0466120	ENST00000394126.5	MED24	ENSG00000008838	mediator complex subunit 24 Source HGNC Symbol Acc HGNC 22963
C07	UPFH0107029	ENST00000258648.6	MED4	ENSG00000136146	mediator complex subunit 4 Source HGNC Symbol Acc HGNC 17903
C08	UPFH0234938	ENST00000331320.12	MTA1	ENSG00000182979	metastasis associated 1 Source HGNC Symbol Acc HGNC 7410
C09	UPFH0385216	ENST00000406961.5	NCOA1	ENSG00000084676	nuclear receptor coactivator 1 Source HGNC Symbol Acc HGNC 7668
C10	UPFH0401168	ENST00000518363.2	NCOA2	ENSG00000140396	nuclear receptor coactivator 2 Source HGNC Symbol Acc HGNC 7669
		ENST00000372		ENSG00000	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	UPFH1132566	004.7	NCOA3	124151	nuclear receptor coactivator 3 Source HGNC Symbol Acc HGNC 7670
C12	UPFH0114374	ENST00000579039.2	NCOA4	ENSG00000266412	nuclear receptor coactivator 4 Source HGNC Symbol Acc HGNC 7671
D01	UPFH1132567	ENST00000359003.7	NCOA6	ENSG00000198646	nuclear receptor coactivator 6 Source HGNC Symbol Acc HGNC 15936
D02	UPFH0243851	ENST00000411510.5	NCOR1	ENSG00000141027	nuclear receptor corepressor 1 Source HGNC Symbol Acc HGNC 7672
D03	UPFH0442832	ENST00000443451.6	NCOR2	ENSG00000196498	nuclear receptor corepressor 2 Source HGNC Symbol Acc HGNC 7673
D04	UPFH1132591	ENST00000652277.1	NFKB2	ENSG00000077150	nuclear factor kappa B subunit 2 Source HGNC Symbol Acc HGNC 7795
D05	UPFH0547339	ENST00000454976.1	NONO	ENSG00000147140	non-POU domain containing octamer binding Source HGNC Symbol Acc HGNC 7871
D06	UPFH0591047	ENST00000640021.1	NOTCH2	ENSG00000134250	notch 2 Source HGNC Symbol Acc HGNC 7882
D07	UPFH0362291	ENST00000378970.4	NR0B1	ENSG00000169297	nuclear receptor subfamily 0 group B member 1 Source HGNC Symbol Acc HGNC 7960
D08	UPFH1125145	ENST00000254227.4	NR0B2	ENSG00000131910	nuclear receptor subfamily 0 group B member 2 Source HGNC Symbol Acc HGNC 7961
D09	UPFH0117748	ENST00000246672.4	NR1D1	ENSG00000126368	nuclear receptor subfamily 1 group D member 1 Source HGNC Symbol Acc HGNC 7962
D10	UPFH0016842	ENST00000492552.5	NR1D2	ENSG00000174738	nuclear receptor subfamily 1 group D member 2 Source HGNC Symbol Acc HGNC 7963
D11	UPFH0416421	ENST00000411902.6	NR1H2	ENSG00000131408	nuclear receptor subfamily 1 group H member 2 Source NCBI gene Acc 7376
D12	UPFH0556560	ENST00000616973.4	NR1H3	ENSG00000025434	nuclear receptor subfamily 1 group H member 3 Source HGNC Symbol Acc HGNC 7966
E01	UPFH0255215	ENST00000188403.7	NR1H4	ENSG00000012504	nuclear receptor subfamily 1 group H member 4 Source HGNC Symbol Acc HGNC 7967
E02	UPFH0364637	ENST00000493757.1	NR1I2	ENSG00000144852	nuclear receptor subfamily 1 group I member 2 Source HGNC Symbol Acc HGNC 7968
E03	UPFH0314143	ENST00000488651.5	NR1I3	ENSG00000143257	nuclear receptor subfamily 1 group I member 3 Source HGNC Symbol Acc HGNC 7969
E04	UPFH0318212	ENST00000547594.5	NR2C1	ENSG00000120798	nuclear receptor subfamily 2 group C member 1 Source HGNC Symbol Acc HGNC 7971
E05	UPFH0003970	ENST00000323373.10	NR2C2	ENSG00000177463	nuclear receptor subfamily 2 group C member 2 Source HGNC Symbol Acc HGNC 7972
E06	UPFH0283845	ENST00000621736.4	NR2E3	ENSG00000278570	nuclear receptor subfamily 2 group E member 3 Source HGNC Symbol Acc HGNC 7974
E07	UPFH0480314	ENST00000327111.8	NR2F1	ENSG00000175745	nuclear receptor subfamily 2 group F member 1 Source HGNC Symbol Acc HGNC 7975
E08	UPFH0261968	ENST00000394166.8	NR2F2	ENSG00000185551	nuclear receptor subfamily 2 group F member 2 Source HGNC Symbol Acc HGNC 7976
E09	UPFH0198907	ENST00000291442.3	NR2F6	ENSG00000160113	nuclear receptor subfamily 2 group F member 6 Source HGNC Symbol Acc HGNC 7977
E10	UPFH1132917	ENST00000394464.7	NR3C1	ENSG00000113580	nuclear receptor subfamily 3 group C member 1 Source HGNC Symbol Acc HGNC 7978
E11	UPFH0487306	ENST00000512865.5	NR3C2	ENSG00000151623	nuclear receptor subfamily 3 group C member 2 Source HGNC Symbol Acc HGNC 7979
E12	UPFH0094876	ENST00000550763.1	NR4A1	ENSG00000123358	nuclear receptor subfamily 4 group A member 1 Source HGNC Symbol Acc HGNC 7980
F01	UPFH0599555	ENST00000373587.3	NR5A1	ENSG00000136931	nuclear receptor subfamily 5 group A member 1 Source HGNC Symbol Acc HGNC 7983
F02	UPFH0070857	ENST00000373584.7	NR6A1	ENSG00000148200	nuclear receptor subfamily 6 group A member 1 Source HGNC Symbol Acc HGNC 7985
F03	UPFH0106446	ENST00000637963.1	NRIP1	ENSG00000180530	nuclear receptor interacting protein 1 Source HGNC Symbol Acc HGNC 8001
F04	UPFH0586168	ENST00000617858.4	PGR	ENSG00000082175	progesterone receptor Source HGNC Symbol Acc HGNC 8910
F05	UPFH0327373	ENST00000262735.9	PPARA	ENSG00000186951	peroxisome proliferator activated receptor alpha Source HGNC Symbol Acc HGNC 9232
F06	UPFH1132629	ENST00000448077.6	PPARD	ENSG00000112033	peroxisome proliferator activated receptor delta Source HGNC Symbol Acc HGNC 9235
F07	UPFH0284890	ENST00000477039.5	PPARG	ENSG00000132170	peroxisome proliferator activated receptor gamma Source HGNC Symbol Acc HGNC 9236
F08	UPFH0403608	ENST00000264867.7	PPARGC1A	ENSG00000109819	PPARG coactivator 1 alpha Source HGNC Symbol Acc HGNC 9237
F09	UPFH0004689	ENST00000394320.7	PPARGC1B	ENSG00000155846	PPARG coactivator 1 beta Source HGNC Symbol Acc HGNC 30022
F10	UPFH0546203	ENST00000602866.5	PSMC3	ENSG00000165916	proteasome 26S subunit, ATPase 3 Source HGNC Symbol Acc HGNC 9549

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFH0594784	ENST00000578570.5	PSMC5	ENSG00000087191	proteasome 26S subunit, ATPase 5 Source HGNC Symbol Acc HGNC 9552
F12	UPFH0431278	ENST00000394081.7	RARA	ENSG00000131759	retinoic acid receptor alpha Source HGNC Symbol Acc HGNC 9864
G01	UPFH0083509	ENST00000458646.1	RARB	ENSG00000077092	retinoic acid receptor beta Source HGNC Symbol Acc HGNC 9865
G02	UPFH0560045	ENST00000550265.5	RARG	ENSG00000172819	retinoic acid receptor gamma Source HGNC Symbol Acc HGNC 9866
G03	UPFH0270480	ENST00000504938.1	RBPJ	ENSG00000168214	recombination signal binding protein for immunoglobulin kappa J region Source HGNC Symbol Acc HGNC 5724
G04	UPFH0374720	ENST00000335670.11	RORA	ENSG00000069667	RAR related orphan receptor A Source HGNC Symbol Acc HGNC 10258
G05	UPFH0039313	ENST00000356384.4	RXRA	ENSG00000186350	retinoid X receptor alpha Source HGNC Symbol Acc HGNC 10477
G06	UPFH0039623	ENST00000483821.1	RXRB	ENSG00000204231	retinoid X receptor beta Source HGNC Symbol Acc HGNC 10478
G07	UPFH0454325	ENST00000470566.1	RXRG	ENSG00000143171	retinoid X receptor gamma Source HGNC Symbol Acc HGNC 10479
G08	UPFH0537726	ENST00000519494.1	TGS1	ENSG00000137574	trimethylguanosine synthase 1 Source HGNC Symbol Acc HGNC 17843
G09	UPFH0289387	ENST00000578218.5	THRA	ENSG00000126351	thyroid hormone receptor alpha Source HGNC Symbol Acc HGNC 11796
G10	UPFH0145963	ENST00000447875.5	THRB	ENSG00000151090	thyroid hormone receptor beta Source HGNC Symbol Acc HGNC 11799
G11	UPFH0530081	ENST00000561265.1	TRIP4	ENSG00000103671	thyroid hormone receptor interactor 4 Source HGNC Symbol Acc HGNC 12310
G12	UPFH0608623	ENST00000550325.5	VDR	ENSG00000111424	vitamin D receptor Source HGNC Symbol Acc HGNC 12679
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 µl reactions: 20 µl 8x gDNA Removal Mix, 10 µl Reverse Transcription Enzyme, 40 µl Reverse Transcription Mix (containing RT primers), 20 µl Internal Control RNA, 1.9 ml RNase-Free Water	205410
QuantiNova Probe RT-PCR Kit (100)*	For 100 x 20 µl reactions: 1 ml QuantiNova Probe RT-PCR Master Mix, 20 µl QuantiNova Probe RT Mix, 20 µl Internal Control RNA, 500 µl Yellow Template Dilution Buffer, 250 µl ROX Reference Dye, 1.9 µl RNase-Free Water	208352
QuantiNova Probe PCR Kit (100)*	For 100 x 20 µl reactions: 1 ml 2x QuantiNova Probe PCR Master Mix, 500 µl QuantiNova Yellow Template Dilution Buffer, 250 µl 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.

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at www.qiagen.com or can be requested from QIAGEN Technical Services or your local distributor.