

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

Human Androgen Receptor Signaling Targets

Cat. no. 249955 UPHS-142ZR

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	ABCC4	ABHD2	ACSL3	ADAMTS1	ALDH1A3	APPBP2	AR	CAMKK2	CENPN	CITED2	ACKR3	CYP2U1
B	DBI	DHCR24	EAF2	ELK1	ELL2	ENDOD1	ERRF1	OTULINL	FKBP5	FOS	FZD5	GUCY1A1
C	HERC3	HPGD	IGF1R	IGFBP5	IRS2	JUN	KLK2	KLK3	KLK4	KRT8	LIFR	LRI1
D	LRRFIP2	MAF	MAP7D1	MME	MT2A	MYC	NCAPD3	NDRG1	NFKB1	NFKB2	NFKBIA	NKX3-1
E	ORM1	ORM2	PAK1IP1	PGC	PIAS1	PIK3R3	PMEPA1	PLPP1	RAB4A	REL	RELA	RHOA
F	SEC22C	SGK1	SLC26A2	SLC45A3	SMS	SNAI2	SORD	SP1	SPDEF	SRF	STEAP4	STK39
G	TIPARP	TMPRSS2	TPD52	TRIB1	TSC22D1	TSC22D3	VAPA	VIPR1	WIPI1	ZBTB10	ZBTB16	ZNF189
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	UPFH0531571	ENST00000645532.1	ABCC4	ENSG00000125257	ATP binding cassette subfamily C member 4 Source HGNC Symbol Acc HGNC 55
A02	UPFH0278401	ENST00000565973.5	ABHD2	ENSG00000140526	abhydrolase domain containing 2 Source HGNC Symbol Acc HGNC 18717
A03	UPFH1132212	ENST00000357430.8	ACSL3	ENSG00000123983	acyl-CoA synthetase long chain family member 3 Source HGNC Symbol Acc HGNC 3570
A04	UPFH1132217	ENST00000284984.8	ADAMTS1	ENSG00000154734	ADAM metalloproteinase with thrombospondin type 1 motif 1 Source HGNC Symbol Acc HGNC 217
A05	UPFH0310463	ENST00000329841.10	ALDH1A3	ENSG00000184254	aldehyde dehydrogenase 1 family member A3 Source HGNC Symbol Acc HGNC 409
A06	UPFH0059005	ENST00000588668.5	APPBP2	ENSG00000062725	amyloid beta precursor protein binding protein 2 Source HGNC Symbol Acc HGNC 622
A07	UPFH0268128	ENST00000374690.8	AR	ENSG00000169083	androgen receptor Source HGNC Symbol Acc HGNC 644
A08	UPFH0090390	ENST00000392474.6	CAMKK2	ENSG00000110931	calcium/calmodulin dependent protein kinase kinase 2 Source HGNC Symbol Acc HGNC 1470
A09	UPFH0464030	ENST00000569461.1	CENPN	ENSG00000166451	centromere protein N Source HGNC Symbol Acc HGNC 30873
A10	UPFH0308632	ENST00000536159.2	CITED2	ENSG00000164442	Cbp/p300 interacting transactivator with Glu/Asp rich carboxy-terminal domain 2 Source HGNC Symbol Acc HGNC 1987
A11	UPFH0506908	ENST00000272928.4	ACKR3	ENSG00000144476	atypical chemokine receptor 3 Source HGNC Symbol Acc HGNC 23692
A12	UPFH0522343	ENST00000508453.1	CYP2U1	ENSG00000155016	cytochrome P450 family 2 subfamily U member 1 Source HGNC Symbol Acc HGNC 20582
B01	UPFH0159565	ENST00000492375.1	DBI	ENSG00000155368	diazepam binding inhibitor, acyl-CoA binding protein Source HGNC Symbol Acc HGNC 2690
B02	UPFH0345634	ENST00000648712.1	DHCR24	ENSG00000116133	24-dehydrocholesterol reductase Source HGNC Symbol Acc HGNC 2859
B03	UPFH0069185	ENST00000490477.1	EAF2	ENSG00000145088	ELL associated factor 2 Source HGNC Symbol Acc HGNC 23115
B04	UPFH0614738	ENST00000376983.8	ELK1	ENSG00000126767	ELK1, ETS transcription factor Source HGNC Symbol Acc HGNC 3321
B05	UPFH0582783	ENST00000508757.1	ELL2	ENSG00000118985	elongation factor for RNA polymerase II 2 Source HGNC Symbol Acc HGNC 17064
B06	UPFH0384934	ENST00000278505.5	ENDOD1	ENSG00000149218	endonuclease domain containing 1 Source HGNC Symbol Acc HGNC 29129
B07	UPFH0156020	ENST00000469499.5	ERRF1	ENSG00000116285	ERBB receptor feedback inhibitor 1 Source HGNC Symbol Acc HGNC 18185
B08	UPFH0322017	ENST00000513825.1	OTULINL	ENSG00000145569	OTU deubiquitinase with linear linkage specificity like Source HGNC Symbol Acc HGNC 25629
B09	UPFH0019121	ENST00000539068.5	FKBP5	ENSG00000096060	FKBP prolyl isomerase 5 Source HGNC Symbol Acc HGNC 3721
B10	UPFH1132401	ENST00000555242.1	FOS	ENSG00000170345	Fos proto-oncogene, AP-1 transcription factor subunit Source HGNC Symbol Acc HGNC 3796
B11	UPFH1132407	ENST00000295417.4	FZD5	ENSG00000163251	frizzled class receptor 5 Source HGNC Symbol Acc HGNC 4043
B12	UPFH0020356	ENST00000512983.5	GUCY1A1	ENSG00000164116	guanylate cyclase 1 soluble subunit alpha 1 Source HGNC Symbol Acc HGNC 4685
C01	UPFH0262432	ENST00000422770.5	HERC3	ENSG00000138641	HECT and RLD domain containing E3 ubiquitin protein ligase 3 Source HGNC Symbol Acc HGNC 4876
C02	UPFH0411877	ENST00000541923.5	HPGD	ENSG00000164120	15-hydroxyprostaglandin dehydrogenase Source HGNC Symbol Acc HGNC 5154
C03	UPFH0237955	ENST00000650285.1	IGF1R	ENSG00000140443	insulin like growth factor 1 receptor Source HGNC Symbol Acc HGNC 5465
C04	UPFH1132475	ENST00000449583.1	IGFBP5	ENSG00000115461	insulin like growth factor binding protein 5 Source HGNC Symbol Acc HGNC 5474
C05	UPFH0575069	ENST00000375856.5	IRS2	ENSG00000185950	insulin receptor substrate 2 Source HGNC Symbol Acc HGNC 6126
C06	UPFH0569765	ENST00000371222.3	JUN	ENSG00000177606	Jun proto-oncogene, AP-1 transcription factor subunit Source HGNC Symbol Acc HGNC 6204
C07	UPFH0462918	ENST00000600755.5	KLK2	ENSG00000167751	kallikrein related peptidase 2 Source HGNC Symbol Acc HGNC 6363
C08	UPFH1132511	ENST00000617027.4	KLK3	ENSG00000142515	kallikrein related peptidase 3 Source HGNC Symbol Acc HGNC 6364
C09	UPFH0287230	ENST00000324041.5	KLK4	ENSG00000167749	kallikrein related peptidase 4 Source HGNC Symbol Acc HGNC 6365
C10	UPFH0434758	ENST00000547176.3	KRT8	ENSG00000170421	keratin 8 Source HGNC Symbol Acc HGNC 6446
		ENST00000506		ENSG000000	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	UPFH0041279	003.5	LIFR	113594	LIF receptor alpha Source HGNC Symbol Acc HGNC 6597
C12	UPFH0448826	ENST00000498287.5	LRIG1	ENSG00000144749	leucine rich repeats and immunoglobulin like domains 1 Source HGNC Symbol Acc HGNC 17360
D01	UPFH0608983	ENST00000481682.1	LRRFIP2	ENSG00000093167	LRR binding FLII interacting protein 2 Source HGNC Symbol Acc HGNC 6703
D02	UPFH0572800	ENST00000326043.5	MAF	ENSG00000178573	MAF bZIP transcription factor Source HGNC Symbol Acc HGNC 6776
D03	UPFH0488373	ENST00000373150.8	MAP7D1	ENSG00000116871	MAP7 domain containing 1 Source HGNC Symbol Acc HGNC 25514
D04	UPFH0317045	ENST00000460393.5	MME	ENSG00000196549	membrane metalloendopeptidase Source HGNC Symbol Acc HGNC 7154
D05	UPFH0049572	ENST00000245185.6	MT2A	ENSG00000125148	metallothionein 2A Source HGNC Symbol Acc HGNC 7406
D06	UPFH1132563	ENST00000517291.1	MYC	ENSG00000136997	MYC proto-oncogene, bHLH transcription factor Source HGNC Symbol Acc HGNC 7553
D07	UPFH0455685	ENST00000527944.1	NCAPD3	ENSG00000151503	non-SMC condensin II complex subunit D3 Source HGNC Symbol Acc HGNC 28952
D08	UPFH0034532	ENST00000518480.5	NDRG1	ENSG00000104419	N-myc downstream regulated 1 Source HGNC Symbol Acc HGNC 7679
D09	UPFH1132828	ENST00000226574.9	NFKB1	ENSG00000109320	nuclear factor kappa B subunit 1 Source HGNC Symbol Acc HGNC 7794
D10	UPFH1132591	ENST00000652277.1	NFKB2	ENSG00000077150	nuclear factor kappa B subunit 2 Source HGNC Symbol Acc HGNC 7795
D11	UPFH0444462	ENST00000216797.9	NFKBIA	ENSG00000100906	NFKB inhibitor alpha Source HGNC Symbol Acc HGNC 7797
D12	UPFH0080326	ENST00000523261.1	NKX3-1	ENSG00000167034	NK3 homeobox 1 Source HGNC Symbol Acc HGNC 7838
E01	UPFH0228449	ENST00000259396.8	ORM1	ENSG00000229314	orosomucoid 1 Source HGNC Symbol Acc HGNC 8498
E02	UPFH0102629	ENST00000431067.3	ORM2	ENSG00000228278	orosomucoid 2 Source HGNC Symbol Acc HGNC 8499
E03	UPFH0360030	ENST00000379568.4	PAK1IP1	ENSG00000111845	PAK1 interacting protein 1 Source HGNC Symbol Acc HGNC 20882
E04	UPFH0617392	ENST00000356667.8	PGC	ENSG00000096088	progastricin Source HGNC Symbol Acc HGNC 8890
E05	UPFH0576177	ENST00000545237.1	PIAS1	ENSG00000033800	protein inhibitor of activated STAT 1 Source HGNC Symbol Acc HGNC 2752
E06	UPFH0403932	ENST00000372006.5	PIK3R3	ENSG00000117461	phosphoinositide-3-kinase regulatory subunit 3 Source HGNC Symbol Acc HGNC 8981
E07	UPFH0297528	ENST00000395819.3	PMEP1	ENSG00000124225	prostate transmembrane protein, androgen induced 1 Source HGNC Symbol Acc HGNC 14107
E08	UPFH0199719	ENST00000515132.5	PLPP1	ENSG00000067113	phospholipid phosphatase 1 Source HGNC Symbol Acc HGNC 9228
E09	UPFH1122805	ENST00000473894.1	RAB4A	ENSG00000168118	RAB4A, member RAS oncogene family Source HGNC Symbol Acc HGNC 9781
E10	UPFH0559135	ENST00000295025.12	REL	ENSG00000162924	REL proto-oncogene, NF-kB subunit Source HGNC Symbol Acc HGNC 9954
E11	UPFH1132884	ENST00000615805.4	RELA	ENSG00000173039	RELA proto-oncogene, NF-kB subunit Source HGNC Symbol Acc HGNC 9955
E12	UPFH0350717	ENST00000366691.4	RHOU	ENSG00000116574	ras homolog family member U Source HGNC Symbol Acc HGNC 17794
F01	UPFH0270630	ENST00000450981.5	SEC22C	ENSG00000093183	SEC22 homolog C, vesicle trafficking protein Source HGNC Symbol Acc HGNC 16828
F02	UPFH0010225	ENST00000367855.7	SGK1	ENSG00000118515	serum/glucocorticoid regulated kinase 1 Source HGNC Symbol Acc HGNC 10810
F03	UPFH0502330	ENST00000286298.4	SLC26A2	ENSG00000155850	solute carrier family 26 member 2 Source HGNC Symbol Acc HGNC 10994
F04	UPFH0299880	ENST00000460934.1	SLC45A3	ENSG00000158715	solute carrier family 45 member 3 Source HGNC Symbol Acc HGNC 8642
F05	UPFH0252666	ENST00000379404.5	SMS	ENSG00000102172	spermine synthase Source HGNC Symbol Acc HGNC 11123
F06	UPFH1132690	ENST00000020945.4	SNAI2	ENSG00000019549	snail family transcriptional repressor 2 Source HGNC Symbol Acc HGNC 11094
F07	UPFH0101858	ENST00000559230.5	SORD	ENSG00000140263	sorbitol dehydrogenase Source HGNC Symbol Acc HGNC 11184
F08	UPFH1132843	ENST00000327443.9	SP1	ENSG00000185591	Sp1 transcription factor Source HGNC Symbol Acc HGNC 11205
F09	UPFH0213363	ENST00000544425.2	SPDEF	ENSG00000124664	SAM pointed domain containing ETS transcription factor Source HGNC Symbol Acc HGNC 17257
F10	UPFH0179284	ENST00000265354.6	SRF	ENSG00000112658	serum response factor Source HGNC Symbol Acc HGNC 11291

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFH0044529	ENST00000301959.9	STEAP4	ENSG00000127954	STEAP4 metalloredutase Source HGNC Symbol Acc HGNC 21923
F12	UPFH0443949	ENST00000487143.5	STK39	ENSG00000198648	serine/threonine kinase 39 Source HGNC Symbol Acc HGNC 17717
G01	UPFH0011178	ENST00000486483.5	TIPARP	ENSG00000163659	TCDD inducible poly(ADP-ribose) polymerase Source HGNC Symbol Acc HGNC 23696
G02	UPFH0464505	ENST00000424093.5	TMPRSS2	ENSG00000184012	transmembrane serine protease 2 Source HGNC Symbol Acc HGNC 11876
G03	UPFH0210358	ENST00000521354.5	TPD52	ENSG00000076554	tumor protein D52 Source HGNC Symbol Acc HGNC 12005
G04	UPFH0439255	ENST00000520847.1	TRIB1	ENSG00000173334	tribbles pseudokinase 1 Source HGNC Symbol Acc HGNC 16891
G05	UPFH0220581	ENST00000261489.6	TSC22D1	ENSG00000102804	TSC22 domain family member 1 Source HGNC Symbol Acc HGNC 16826
G06	UPFH0607629	ENST00000372390.8	TSC22D3	ENSG00000157514	TSC22 domain family member 3 Source HGNC Symbol Acc HGNC 3051
G07	UPFH0279607	ENST00000583879.5	VAPA	ENSG00000101558	VAMP associated protein A Source HGNC Symbol Acc HGNC 12648
G08	UPFH0032386	ENST00000433647.5	VIPR1	ENSG00000114812	vasoactive intestinal peptide receptor 1 Source HGNC Symbol Acc HGNC 12694
G09	UPFH1132760	ENST00000262139.10	WIPI1	ENSG00000070540	WD repeat domain, phosphoinositide interacting 1 Source HGNC Symbol Acc HGNC 25471
G10	UPFH0428459	ENST00000455036.8	ZBTB10	ENSG00000205189	zinc finger and BTB domain containing 10 Source HGNC Symbol Acc HGNC 30953
G11	UPFH0319128	ENST00000392996.2	ZBTB16	ENSG00000109906	zinc finger and BTB domain containing 16 Source HGNC Symbol Acc HGNC 12930
G12	UPFH0245429	ENST00000259395.4	ZNF189	ENSG00000136870	zinc finger protein 189 Source HGNC Symbol Acc HGNC 12980
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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