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

Rat Androgen Receptor Signaling Targets

Cat. no. 249955 UPRN-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	Atad2	Camkk2	Cenpn	Cited2	Ackr3
B	Cyp2u1	Dhcr24	Eaf2	Elk1	Ell2	Ern1	Errfi1	Otulinl	Fkbp5	Fos	Fzd5	Gucy1a1
C	Herc3	Hpgd	Igf1r	Igfbp5	Irs2	Jun	Klk1c2	Klk4	Klkb1	Krt8	Lama1	Lifr
D	Lrig1	Lrrfip2	Maf	Map7d1	Mme	Mt2A	Myc	Ncapd3	Ndrg1	Nfkb1	Nfkb2	Nfkbia
E	Nkx3-1	Orm1	Pak1ip1	Pgc	Pias1	Pik3r3	Pmepa1	Ppp1	Rab4a	Rel	Rela	Ripk4
F	Sgk1	Slc26a2	Slc45a3	Sms	Snai2	Sord	Sp1	Spdef	Srf	Steap4	Stk39	Tbc1d8
G	Tiparp	Tmprss2	Tpd52	Trib1	Tsc22d1	Tsc22d3	Vapa	AABR0707176 5.1	Wipi1	Zbtb10	Zbtb16	Zfp189
H	Actb	B2m	Hprt1	Ldha	Rplp1	RGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA Probe PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFR1022922	ENSRNOT00000013366.7	Abcc4	ENSRNOG00000010064	ATP binding cassette subfamily C member 4 Source RGD Symbol Acc 620266
A02	UPFR1077026	ENSRNOT00000023506.6	Abhd2	ENSRNOG00000017120	abhydrolase domain containing 2 Source RGD Symbol Acc 1311389
A03	UPFR1023034	ENSRNOT00000020161.2	Acsl3	ENSRNOG00000014718	acyl-CoA synthetase long-chain family member 3 Source RGD Symbol Acc 70552
A04	UPFR1105539	ENSRNOT00000002187.7	Adamts1	ENSRNOG00000001607	ADAM metallopeptidase with thrombospondin type 1 motif, 1 Source RGD Symbol Acc 621241
A05	UPFR1080324	ENSRNOT00000085158.1	Aldh1a3	ENSRNOG00000052070	aldehyde dehydrogenase 1 family, member A3 Source RGD Symbol Acc 628662
A06	UPFR1056140	ENSRNOT00000033684.4	Appbp2	ENSRNOG00000027654	amyloid beta precursor protein binding protein 2 Source RGD Symbol Acc 1306488
A07	UPFR1020040	ENSRNOT00000009129.7	Ar	ENSRNOG00000005639	androgen receptor Source RGD Symbol Acc 2147
A08	UPFR1061326	ENSRNOT00000008508.7	Atad2	ENSRNOG00000025604	ATPase family, AAA domain containing 2 Source RGD Symbol Acc 1304849
A09	UPFR1026131	ENSRNOT00000001774.6	Camkk2	ENSRNOG00000001309	calcium/calmodulin-dependent protein kinase kinase 2 Source RGD Symbol Acc 620092
A10	UPFR1118004	ENSRNOT00000042458.6	Cenpn	ENSRNOG00000011296	centromere protein N Source RGD Symbol Acc 1310953
A11	UPFR1017367	ENSRNOT00000086790.1	Cited2	ENSRNOG00000056940	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2 Source RGD Symbol Acc 620112
A12	UPFR1038104	ENSRNOT00000026558.3	Ackr3	ENSRNOG00000019622	atypical chemokine receptor 3 Source RGD Symbol Acc 620601
B01	UPFR1100429	ENSRNOT00000089674.1	Cyp2u1	ENSRNOG00000011053	cytochrome P450, family 2, subfamily u, polypeptide 1 Source RGD Symbol Acc 1309433
B02	UPFR1087559	ENSRNOT00000009402.6	Dhcr24	ENSRNOG00000006787	24-dehydrocholesterol reductase Source RGD Symbol Acc 1306529
B03	UPFR1031771	ENSRNOT00000003208.5	Eaf2	ENSRNOG00000002350	ELL associated factor 2 Source RGD Symbol Acc 628879
B04	UPFR1044171	ENSRNOT00000013522.5	Elk1	ENSRNOG00000010171	ELK1, ETS transcription factor Source RGD Symbol Acc 1598663
B05	UPFR1050722	ENSRNOT00000032974.6	Ell2	ENSRNOG00000027089	elongation factor for RNA polymerase II 2 Source RGD Symbol Acc 1309296
B06	UPFR1050164	ENSRNOT00000085736.1	Ern1	ENSRNOG00000012864	endoplasmic reticulum to nucleus signaling 1 Source RGD Symbol Acc 1559716
B07	UPFR1086306	ENSRNOT00000085315.1	Errfi1	ENSRNOG00000058186	ERBB receptor feedback inhibitor 1 Source RGD Symbol Acc 1307599
B08	UPFR1105344	ENSRNOT00000067638.3	Otulinl	ENSRNOG00000012109	OTU deubiquitinase with linear linkage specificity like Source RGD Symbol Acc 1563205
B09	UPFR1119643	ENSRNOT00000033119.5	Fkbp5	ENSRNOG00000022523	FKBP prolyl isomerase 5 Source RGD Symbol Acc 1309155
B10	UPFR1045359	ENSRNOT00000010712.3	Fos	ENSRNOG00000008015	Fos proto-oncogene, AP-1 transcription factor subunit Source RGD Symbol Acc 2626
B11	UPFR1079665	ENSRNOT00000019698.4	Fzd5	ENSRNOG00000014678	frizzled class receptor 5 Source RGD Symbol Acc 631406
B12	UPFR1071753	ENSRNOT00000017190.4	Gucy1a1	ENSRNOG00000012302	guanylate cyclase 1 soluble subunit alpha 1 Source RGD Symbol Acc 68436
C01	UPFR1035294	ENSRNOT00000010241.5	Herc3	ENSRNOG00000007304	HECT and RLD domain containing E3 ubiquitin protein ligase 3 Source RGD Symbol Acc 1307803
C02	UPFR1049872	ENSRNOT00000014229.4	Hpgd	ENSRNOG00000010610	15-hydroxyprostaglandin dehydrogenase Source RGD Symbol Acc 620087
C03	UPFR1018620	ENSRNOT00000019267.6	Igf1r	ENSRNOG00000014187	insulin-like growth factor 1 receptor Source RGD Symbol Acc 2869
C04	UPFR1090111	ENSRNOT00000079493.1	Igfbp5	ENSRNOG00000017206	insulin-like growth factor binding protein 5 Source RGD Symbol Acc 2876
C05	UPFR1089782	ENSRNOT00000032918.6	Irs2	ENSRNOG00000023509	insulin receptor substrate 2 Source RGD Symbol Acc 69316
C06	UPFR1037970	ENSRNOT00000011731.3	Jun	ENSRNOG00000026293	Jun proto-oncogene, AP-1 transcription factor subunit Source RGD Symbol Acc 2943
C07	UPFR1120498	ENSRNOT00000025701.4	Klk1c2	ENSRNOG00000029237	kallikrein 1-related peptidase C2 Source RGD Symbol Acc 3888
C08	UPFR1101256	ENSRNOT00000025614.4	Klk4	ENSRNOG00000018864	kallikrein-related peptidase 4 Source RGD Symbol Acc 1303228
C09	UPFR1080489	ENSRNOT00000019237.5	Klkb1	ENSRNOG00000014118	kallikrein B1 Source RGD Symbol Acc 67382
C10	UPFR1027596	ENSRNOT00000038480.4	Krt8	ENSRNOG00000009779	keratin 8 Source RGD Symbol Acc 2984
		ENSRNOT00000		ENSRNOG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	UPFR1092904	023226.6	Lama1	000017237	laminin subunit alpha 1 Source RGD Symbol Acc 1307207
C12	UPFR1072192	ENSRNOT00000 016036.4	Lifr	ENSRNOG00 000011696	LIF receptor alpha Source RGD Symbol Acc 621431
D01	UPFR1100182	ENSRNOT00000 017384.8	Lrig1	ENSRNOG00 000012952	leucine-rich repeats and immunoglobulin-like domains 1 Source RGD Symbol Acc 1306788
D02	UPFR1117699	ENSRNOT00000 056060.2	Lrrfip2	ENSRNOG00 000021047	LRR binding FLII interacting protein 2 Source RGD Symbol Acc 1306234
D03	UPFR1029368	ENSRNOT00000 016577.5	Maf	ENSRNOG00 000012428	MAF bZIP transcription factor Source RGD Symbol Acc 3034
D04	UPFR1038589	ENSRNOT00000 065871.1	Map7d1	ENSRNOG00 000010237	MAP7 domain containing 1 Source RGD Symbol Acc 1597986
D05	UPFR1030706	ENSRNOT00000 042576.4	Mme	ENSRNOG00 000009514	membrane metallo-endopeptidase Source RGD Symbol Acc 3098
D06	UPFR1126576	ENSRNOT00000 067391.1	Mt2A	ENSRNOG00 000043098	metallothionein 2A Source RGD Symbol Acc 1592345
D07	UPFR1101439	ENSRNOT00000 006188.5	Myc	ENSRNOG00 000004500	MYC proto-oncogene, bHLH transcription factor Source RGD Symbol Acc 3130
D08	UPFR1076373	ENSRNOT00000 012078.7	Ncapd3	ENSRNOG00 000008932	non-SMC condensin II complex, subunit D3 Source RGD Symbol Acc 1562176
D09	UPFR1039853	ENSRNOT00000 093459.1	Ndrg1	ENSRNOG00 000007393	N-myc downstream regulated 1 Source RGD Symbol Acc 1307303
D10	UPFR1116688	ENSRNOT00000 036838.4	Nfkb1	ENSRNOG00 000023258	nuclear factor kappa B subunit 1 Source RGD Symbol Acc 70498
D11	UPFR1025860	ENSRNOT00000 026235.3	Nfkb2	ENSRNOG00 000019311	nuclear factor kappa B subunit 2 Source RGD Symbol Acc 1307189
D12	UPFR1024664	ENSRNOT00000 009894.6	Nfkbia	ENSRNOG00 000007390	NFKB inhibitor alpha Source RGD Symbol Acc 3171
E01	UPFR1024160	ENSRNOT00000 020753.7	Nkx3-1	ENSRNOG00 000015477	NK3 homeobox 1 Source RGD Symbol Acc 1305369
E02	UPFR1105270	ENSRNOT00000 010454.4	Orm1	ENSRNOG00 000007886	orosomucoid 1 Source RGD Symbol Acc 67390
E03	UPFR1062420	ENSRNOT00000 036195.5	Pak1ip1	ENSRNOG00 000023799	PAK1 interacting protein 1 Source RGD Symbol Acc 1565353
E04	UPFR1041976	ENSRNOT00000 019650.3	Pgc	ENSRNOG00 000014492	progastricsin Source RGD Symbol Acc 3943
E05	UPFR1101799	ENSRNOT00000 066009.1	Pias1	ENSRNOG00 000034272	protein inhibitor of activated STAT, 1 Source RGD Symbol Acc 1307843
E06	UPFR1082681	ENSRNOT00000 000157.3	Pik3r3	ENSRNOG00 000000145	phosphoinositide-3-kinase regulatory subunit 3 Source RGD Symbol Acc 621042
E07	UPFR1021655	ENSRNOT00000 071853.2	Pmepa1	ENSRNOG00 000050404	prostate transmembrane protein, androgen induced 1 Source RGD Symbol Acc 1308255
E08	UPFR1079013	ENSRNOT00000 066098.3	Plpp1	ENSRNOG00 000009980	phospholipid phosphatase 1 Source RGD Symbol Acc 621832
E09	UPFR1026183	ENSRNOT00000 049337.5	Rab4a	ENSRNOG00 000017467	RAB4A, member RAS oncogene family Source RGD Symbol Acc 3529
E10	UPFR1066569	ENSRNOT00000 081077.1	Rel	ENSRNOG00 000054437	REL proto-oncogene, NF-kB subunit Source RGD Symbol Acc 1311231
E11	UPFR1070877	ENSRNOT00000 045233.3	Rela	ENSRNOG00 000030888	RELA proto-oncogene, NF-kB subunit Source RGD Symbol Acc 727889
E12	UPFR1040174	ENSRNOT00000 002206.5	Ripk4	ENSRNOG00 000001618	receptor-interacting serine-threonine kinase 4 Source RGD Symbol Acc 1311691
F01	UPFR1039504	ENSRNOT00000 061157.3	Sgk1	ENSRNOG00 000011815	serum/glucocorticoid regulated kinase 1 Source RGD Symbol Acc 3668
F02	UPFR1079458	ENSRNOT00000 024374.2	Slc26a2	ENSRNOG00 000018082	solute carrier family 26 member 2 Source RGD Symbol Acc 620622
F03	UPFR1041857	ENSRNOT00000 010242.5	Slc45a3	ENSRNOG00 000007591	solute carrier family 45, member 3 Source RGD Symbol Acc 1309764
F04	UPFR1104188	ENSRNOT00000 010135.6	Sms	ENSRNOG00 000007688	spermine synthase Source RGD Symbol Acc 1564826
F05	UPFR1014151	ENSRNOT00000 073049.2	Snai2	ENSRNOG00 000047699	snail family transcriptional repressor 2 Source RGD Symbol Acc 3722
F06	UPFR1096749	ENSRNOT00000 023350.6	Sord	ENSRNOG00 000017291	sorbitol dehydrogenase Source RGD Symbol Acc 3734
F07	UPFR1092400	ENSRNOT00000 019403.6	Sp1	ENSRNOG00 000014084	Sp1 transcription factor Source RGD Symbol Acc 3738
F08	UPFR1092870	ENSRNOT00000 079933.1	Spdef	ENSRNOG00 000000491	SAM pointed domain containing ets transcription factor Source RGD Symbol Acc 1594842
F09	UPFR1072279	ENSRNOT00000 061430.3	Srf	ENSRNOG00 000018232	serum response factor Source RGD Symbol Acc 1559787
F10	UPFR1096684	ENSRNOT00000 089086.1	Steap4	ENSRNOG00 000008602	STEAP4 metalloreductase Source RGD Symbol Acc 1560331

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFR1077854	ENSRNOT00000037133.5	Stk39	ENSRNOG00000024808	serine threonine kinase 39 Source RGD Symbol Acc 621643
F12	UPFR1094514	ENSRNOT00000018640.6	Tbc1d8	ENSRNOG00000013583	TBC1 domain family, member 8 Source RGD Symbol Acc 1595491
G01	UPFR1068166	ENSRNOT00000015387.6	Tiparp	ENSRNOG00000011238	TCDD-inducible poly(ADP-ribose) polymerase Source RGD Symbol Acc 1306171
G02	UPFR1027735	ENSRNOT00000066413.3	Tmprss2	ENSRNOG00000001976	transmembrane serine protease 2 Source RGD Symbol Acc 620766
G03	UPFR1020355	ENSRNOT00000077270.1	Tpd52	ENSRNOG00000011441	tumor protein D52 Source RGD Symbol Acc 1306767
G04	UPFR1102325	ENSRNOT00000005885.5	Trib1	ENSRNOG00000004100	tribbles pseudokinase 1 Source RGD Symbol Acc 621596
G05	UPFR1043932	ENSRNOT00000001360.3	Tsc22d1	ENSRNOG00000001030	TSC22 domain family, member 1 Source RGD Symbol Acc 3850
G06	UPFR1116390	ENSRNOT00000085118.1	Tsc22d3	ENSRNOG00000056135	TSC22 domain family, member 3 Source RGD Symbol Acc 621654
G07	UPFR1029860	ENSRNOT00000020681.6	Vapa	ENSRNOG00000014765	VAMP associated protein A Source RGD Symbol Acc 61803
G08	UPFR1045432	ENSRNOT00000071573.2	AABR07071765.1	ENSRNOG00000047457	
G09	UPFR1040874	ENSRNOT00000005172.7	Wipi1	ENSRNOG00000003827	WD repeat domain, phosphoinositide interacting 1 Source RGD Symbol Acc 1307754
G10	UPFR1109571	ENSRNOT00000081553.1	Zbtb10	ENSRNOG00000061862	zinc finger and BTB domain containing 10 Source RGD Symbol Acc 708377
G11	UPFR1044547	ENSRNOT00000045356.3	Zbtb16	ENSRNOG00000029980	zinc finger and BTB domain containing 16 Source RGD Symbol Acc 727921
G12	UPFR1026617	ENSRNOT00000009584.6	Zfp189	ENSRNOG00000006972	zinc finger protein 189 Source RGD Symbol Acc 1306510
H01	UPFR1132952	ENSRNOT00000080216.1	Actb	ENSRNOG00000034254	actin, beta Source RGD Symbol Acc 628837
H02	UPFR1132953	ENSRNOT00000023017.5	B2m	ENSRNOG00000017123	beta-2 microglobulin Source RGD Symbol Acc 2189
H03	UPFR1132959	ENSRNOT00000065935.3	Hprt1	ENSRNOG00000048561	hypoxanthine phosphoribosyltransferase 1 Source RGD Symbol Acc 2826
H04	UPFR1018740	ENSRNOT00000017468.2	Ldha	ENSRNOG00000013009	lactate dehydrogenase A Source RGD Symbol Acc 2996
H05	UPFR1132958	ENSRNOT00000018820.5	Rplp1	ENSRNOG00000013874	ribosomal protein lateral stalk subunit P1 Source RGD Symbol Acc 621774
H06	UPFR1126610	UPL_RGDC	RGDC	UPL_RGDC	Rat 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.