

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

Mouse Inflammatory Response & Autoimmunity

Cat. no. 249956 ULMM-004ZR

For study focus gene expression analysis

Shipping and storage

QuantiNova LNA Probe PCR IncRNA 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 IncRNA 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	Jpx	Rmat	Dleu2	Neat1	H19	Gas5	Gm12610	Peg13	Malat1	Meg3	Pvt1	Tug1
B	1500012K07R ik	1810058I24Ri k	2310001H17R ik	4921504A21R ik	4932412D23R ik	4933407K13R ik	9330158H04R ik	C130021I20Ri k	Dlx1as ik	Ifngas1 ik	Xist ik	1810019N24 Rik
C	2210406O10 Rik	2500004C02R ik	2900041M22 Rik	4930470G03 Rik	4930558J18Ri k	5730480H06R ik	5830418P13R ik	9530059O14 Rik	9630001P10R ik	D930015M05 Rik	Gm14379 ik	Gm16023 ik
D	Gm16998 ik	Gm17473 ik	Hota1r ik	Cmde ik	Dnm3os ik	Flicr ik	Miat ik	Ptgs2os2 ik	Trp53cor1 ik	1700040D17R ik	4930556M19 Rik	Dancr ik
E	Dio3os ik	Firre ik	Gm16759 ik	Gm4419 ik	Haglr ik	Hoxaas2 ik	Kcnq1ot1 ik	Mir326 ik	Mirt1 ik	Gm14005 ik	Redrum ik	Shhg1 ik
F	Shhg14 ik	Sox2ot ik	1700020I14Ri k	5530601H04R ik	6820431F20R ik	A430108G06 Rik	C130071C03 Rik	Slc2a4rg-ps ik	Zfa-ps ik	Abxn711os2 ik	Gm4117 ik	Mir124a-1hg ik
G	Pcsk2os1 ik	Platr21 ik	Rnf227 ik	Ttc39aos1 ik	5830432E09R ik	9530052C20R ik	A330023F24R ik	D430036J16R ik	Gm15050 ik	4632427E13R ik	4930554H23R ik	4931440J10Ri k

	1	2	3	4	5	6	7	8	9	10	11	12
H	Actb	B2m	Gapdh	Gusb	Hsp90ab1	MGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA Probe PCR IncRNA Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFM065326 6	ENSMUST00000 182486.1	Jpx	ENSMUSG00 000097571	Jpx transcript, Xist activator (non-protein coding) Source MGI Symbol Acc MGI 2180008
A02	UPFM075182 0	ENSMUST00000 219444.1	Rmst	ENSMUSG00 000112117	rhabdomyosarcoma 2 associated transcript (non-coding RNA) Source MGI Symbol Acc MGI 1099806
A03	UPFM081736 5	ENSMUST00000 180377.8	Dleu2	ENSMUSG00 000097589	deleted in lymphocytic leukemia, 2 Source MGI Symbol Acc MGI 1934030
A04	UPFM101082 5	ENSMUST00000 232969.1	Neat1	ENSMUSG00 000092274	nuclear paraspeckle assembly transcript 1 (non-protein coding) Source MGI Symbol Acc MGI 1914211
A05	UPFM064158 2	ENSMUST00000 228514.1	H19	ENSMUSG00 000000031	H19, imprinted maternally expressed transcript Source MGI Symbol Acc MGI 95891
A06	UPFM071740 2	ENSMUST00000 162289.7	Gas5	ENSMUSG00 000053332	growth arrest specific 5 Source MGI Symbol Acc MGI 95659
A07	UPFM072531 0	ENSMUST00000 139272.1	Gm12610	ENSMUSG00 000086035	predicted gene 12610 Source MGI Symbol Acc MGI 3652143
A08	UPFM067976 1	ENSMUST00000 202826.1	Peg13	ENSMUSG00 000106847	paternally expressed 13 Source MGI Symbol Acc MGI 2663476
A09	UPFM077524 3	ENSMUST00000 173314.1	Malat1	ENSMUSG00 000092341	metastasis associated lung adenocarcinoma transcript 1 (non-coding RNA) Source MGI Symbol Acc MGI 1919539
A10	UPFM080290 3	ENSMUST00000 126289.7	Meg3	ENSMUSG00 000021268	maternally expressed 3 Source MGI Symbol Acc MGI 1202886
A11	UPFM095995 2	ENSMUST00000 182956.7	Pvt1	ENSMUSG00 000097039	Pvt1 oncogene Source MGI Symbol Acc MGI 97824
A12	UPFM074695 5	ENSMUST00000 153313.8	Tug1	ENSMUSG00 000056579	taurine upregulated gene 1 Source MGI Symbol Acc MGI 2144114
B01	UPFM077513 2	ENSMUST00000 205592.1	1500012K 07Rik	ENSMUSG00 000097247	RIKEN cDNA 1500012K07 gene Source MGI Symbol Acc MGI 1916204
B02	UPFM083027 1	ENSMUST00000 136110.1	1810058I2 4Rik	ENSMUSG00 000073155	RIKEN cDNA 1810058I24 gene Source MGI Symbol Acc MGI 1914955
B03	UPFM089091 3	ENSMUST00000 203780.2	2310001H 17Rik	ENSMUSG00 000097354	RIKEN cDNA 2310001H17 gene Source MGI Symbol Acc MGI 1923682
B04	UPFM100353 4	ENSMUST00000 180594.5	4921504A 21Rik	ENSMUSG00 000097626	RIKEN cDNA 4921504A21 gene Source MGI Symbol Acc MGI 1918082
B05	UPFM077800 0	ENSMUST00000 147181.1	4932412D 23Rik	ENSMUSG00 000075070	RIKEN cDNA 4932412D23 gene Source MGI Symbol Acc MGI 1922972
B06	UPFM098916 8	ENSMUST00000 138943.7	4933407K 13Rik	ENSMUSG00 000087396	RIKEN cDNA 4933407K13 gene Source MGI Symbol Acc MGI 1921646
B07	UPFM077707 9	ENSMUST00000 101535.8	9330158H 04Rik	ENSMUSG00 000073154	RIKEN cDNA 9330158H04 gene Source MGI Symbol Acc MGI 2442094
B08	UPFM101019 3	ENSMUST00000 147294.2	C130021I2 0Rik	ENSMUSG00 000052951	Riken cDNA C130021I20 gene Source MGI Symbol Acc MGI 3639863
B09	UPFM067628 9	ENSMUST00000 137251.2	Dlx1as	ENSMUSG00 000084946	distal-less homeobox 1, antisense Source MGI Symbol Acc MGI 1195983
B10	UPFM092363 4	ENSMUST00000 220034.1	Ifngas1	ENSMUSG00 000112230	Ifng antisense RNA 1 Source MGI Symbol Acc MGI 1934663
B11	UPFM067823 3	ENSMUST00000 127786.3	Xist	ENSMUSG00 000086503	inactive X specific transcripts Source MGI Symbol Acc MGI 98974
B12	UPFM074826 4	ENSMUST00000 181128.1	1810019N 24Rik	ENSMUSG00 000097115	RIKEN cDNA 1810019N24 gene Source MGI Symbol Acc MGI 1916336
C01	UPFM080884 7	ENSMUST00000 044964.5	2210406O 10Rik	ENSMUSG00 000039563	RIKEN cDNA 2210406O10 gene Source MGI Symbol Acc MGI 1923960
C02	UPFM076457 5	ENSMUST00000 125345.1	2500004C 02Rik	ENSMUSG00 000073236	RIKEN cDNA 2500004C02 gene Source MGI Symbol Acc MGI 1919576
C03	UPFM070607 2	ENSMUST00000 155384.1	2900041M 22Rik	ENSMUSG00 000054418	RIKEN cDNA 2900041M22 gene Source MGI Symbol Acc MGI 1925653
C04	UPFM094792 5	ENSMUST00000 122926.1	4930470G 03Rik	ENSMUSG00 000085788	RIKEN cDNA 4930470G03 gene Source MGI Symbol Acc MGI 1922171
C05	UPFM099811 1	ENSMUST00000 181949.2	4930558J1 8Rik	ENSMUSG00 000097519	RIKEN cDNA 4930558J18 gene Source MGI Symbol Acc MGI 1922573
C06	UPFM096426 4	ENSMUST00000 200566.4	5730480H 06Rik	ENSMUSG00 000029089	RIKEN cDNA 5730480H06 gene Source MGI Symbol Acc MGI 1917842
C07	UPFM100582 0	ENSMUST00000 145185.2	5830418P 13Rik	ENSMUSG00 000086236	RIKEN cDNA 5830418P13 gene Source MGI Symbol Acc MGI 3604110
C08	UPFM093734 8	ENSMUST00000 181682.8	9530059O 14Rik	ENSMUSG00 000097736	RIKEN cDNA 9530059O14 gene Source MGI Symbol Acc MGI 2442421
C09	UPFM068765 5	ENSMUST00000 181083.5	9630001P 10Rik	ENSMUSG00 000097825	RIKEN cDNA 9630001P10 gene Source MGI Symbol Acc MGI 2441755
C10	UPFM078456 5	ENSMUST00000 126002.1	D930015M 05Rik	ENSMUSG00 000084781	RIKEN cDNA D930015M05 gene Source MGI Symbol Acc MGI 3612068
	UPFM073062	ENSMUST00000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	3	128858.1	Gm14379	000087252	predicted gene 14379 Source MGI Symbol Acc MGI 3649346
C12	UPFM0953103	ENSMUST00000137752.1	Gm16023	ENSMUSG0000086682	predicted gene 16023 Source MGI Symbol Acc MGI 3802146
D01	UPFM0945776	ENSMUST00000181899.1	Gm16998	ENSMUSG0000097069	predicted gene, 16998 Source MGI Symbol Acc MGI 4439922
D02	UPFM0617528	ENSMUST00000180585.2	Gm17473	ENSMUSG0000097805	predicted gene, 17473 Source MGI Symbol Acc MGI 4937107
D03	UPFM0872258	ENSMUST00000151949.4	Hotair	ENSMUSG0000086903	HOX transcript antisense RNA (non-protein coding) Source MGI Symbol Acc MGI 3826586
D04	UPFM0798593	ENSMUST00000034183.9	Crnde	ENSMUSG0000031736	colorectal neoplasia differentially expressed (non-protein coding) Source MGI Symbol Acc MGI 1918546
D05	UPFM0944227	ENSMUST00000231725.1	Dnm3os	ENSMUSG0000078190	dynamain 3, opposite strand Source MGI Symbol Acc MGI 3052332
D06	UPFM0635124	ENSMUST00000149124.1	Flicr	ENSMUSG0000039545	Foxp3 regulating long intergenic noncoding RNA Source MGI Symbol Acc MGI 1925435
D07	UPFM0907632	ENSMUST00000182258.7	Miat	ENSMUSG0000097767	myocardial infarction associated transcript (non-protein coding) Source MGI Symbol Acc MGI 2444886
D08	UPFM0983663	ENSMUST00000181308.1	Ptgs2os2	ENSMUSG0000097754	prostaglandin-endoperoxide synthase 2, opposite strand 2 Source MGI Symbol Acc MGI 5477181
D09	UPFM0775380	ENSMUST00000133221.2	Trp53cor1	ENSMUSG0000085912	tumor protein p53 pathway corepressor 1 Source MGI Symbol Acc MGI 3801771
D10	UPFM0666822	ENSMUST00000181305.2	1700040D17Rik	ENSMUSG0000097515	RIKEN cDNA 1700040D17 gene Source MGI Symbol Acc MGI 1923852
D11	UPFM0765255	ENSMUST00000180604.1	4930556M19Rik	ENSMUSG0000096971	RIKEN cDNA 4930556M19 gene Source MGI Symbol Acc MGI 1922509
D12	UPFM0764980	ENSMUST00000132389.2	Dancr	ENSMUSG0000106943	differentiation antagonizing non-protein coding RNA Source MGI Symbol Acc MGI 1917286
E01	UPFM0876766	ENSMUST00000220793.1	Dio3os	ENSMUSG0000113581	deiodinase, iodothyronine type III, opposite strand Source MGI Symbol Acc MGI 2664395
E02	UPFM0667385	ENSMUST00000124842.7	Firre	ENSMUSG0000085396	functional intergenic repeating RNA element Source MGI Symbol Acc MGI 2147989
E03	UPFM0890820	ENSMUST00000126238.2	Gm16759	ENSMUSG0000086539	predicted gene, 16759 Source MGI Symbol Acc MGI 4439683
E04	UPFM0984399	ENSMUST00000180671.1	Gm4419	ENSMUSG0000097055	predicted gene 4419 Source MGI Symbol Acc MGI 3782604
E05	UPFM0647635	ENSMUST00000152462.2	Haglr	ENSMUSG0000075277	Hoxd antisense growth associated long non-coding RNA Source MGI Symbol Acc MGI 3026978
E06	UPFM0936007	ENSMUST00000114435.1	Hoxaas2	ENSMUSG0000056445	Hoxa cluster antisense RNA 2 Source MGI Symbol Acc MGI 1913890
E07	UPFM0659790	ENSMUST00000185789.2	Kcnq1ot1	ENSMUSG0000101609	KCNQ1 overlapping transcript 1 Source MGI Symbol Acc MGI 1926855
E08	UPFM1126466	ENSMUST00000083637.1	Mir326	ENSMUSG0000065571	microRNA 326 Source MGI Symbol Acc MGI 3619338
E09	UPFM0799450	ENSMUST00000236257.1	Mirt1	ENSMUSG0000097636	myocardial infarction associated transcript 1 Source MGI Symbol Acc MGI 1922001
E10	UPFM0661140	ENSMUST00000143065.7	Gm14005	ENSMUSG0000074813	predicted gene 14005 Source MGI Symbol Acc MGI 3652191
E11	UPFM0803139	ENSMUST00000181269.2	Redrum	ENSMUSG0000096982	Redrum, erythroid developmental long intergenic non-protein coding transcript Source MGI Symbol Acc MGI 1924683
E12	UPFM0914858	ENSMUST00000206135.1	Snhg1	ENSMUSG0000108414	small nucleolar RNA host gene 1 Source MGI Symbol Acc MGI 3763743
F01	UPFM0960165	ENSMUST00000185693.6	Snhg14	ENSMUSG0000100826	small nucleolar RNA host gene 14 Source MGI Symbol Acc MGI 1289201
F02	UPFM0953143	ENSMUST00000199171.4	Sox2ot	ENSMUSG0000105265	SOX2 overlapping transcript (non-protein coding) Source MGI Symbol Acc MGI 2444112
F03	UPFM0810497	ENSMUST00000147425.1	1700020I14Rik	ENSMUSG0000085438	RIKEN cDNA 1700020I14 gene Source MGI Symbol Acc MGI 1913852
F04	UPFM0802561	ENSMUST00000140954.7	5530601H04Rik	ENSMUSG0000087174	RIKEN cDNA 5530601H04 gene Source MGI Symbol Acc MGI 1918695
F05	UPFM0990083	ENSMUST00000153748.1	6820431F20Rik	ENSMUSG0000071796	RIKEN cDNA 6820431F20 gene Source MGI Symbol Acc MGI 3694236
F06	UPFM0822111	ENSMUST00000153461.1	A430108G06Rik	ENSMUSG0000086851	RIKEN cDNA A430108G06 gene Source MGI Symbol Acc MGI 2442478
F07	UPFM0663210	ENSMUST00000182701.1	C130071C03Rik	ENSMUSG0000050334	RIKEN cDNA C130071C03 gene Source MGI Symbol Acc MGI 2443574
F08	UPFM0947326	ENSMUST00000176590.1	Slc2a4rg-ps	ENSMUSG0000085028	Slc2a4 regulator, pseudogene Source MGI Symbol Acc MGI 3651388
F09	UPFM0978806	ENSMUST00000180526.1	Zfa-ps	ENSMUSG0000049576	zinc finger protein, autosomal, pseudogene Source MGI Symbol Acc MGI 99153
F10	UPFM0651817	ENSMUST00000138617.1	Atnx7l1os2	ENSMUSG0000085664	ataxin 7-like 1, opposite strand 2 Source MGI Symbol Acc MGI 1923086

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM097164 9	ENSMUST00000 044500.5	Gm4117	ENSMUSG00 000089940	predicted gene 4117 Source MGI Symbol Acc MGI 3782293
F12	UPFM092699 3	ENSMUST00000 181808.2	Mir124a-1 hg	ENSMUSG00 000097545	Mir124-1 host gene (non-protein coding) Source MGI Symbol Acc MGI 2442197
G01	UPFM067276 5	ENSMUST00000 156780.1	Pcsk2os1	ENSMUSG00 000086171	proprotein convertase subtilisin/kexin type 2, opposite strand 1 Source MGI Symbol Acc MGI 3605632
G02	UPFM068121 5	ENSMUST00000 126339.8	Platr21	ENSMUSG00 000086807	pluripotency associated transcript 21 Source MGI Symbol Acc MGI 1925776
G03	UPFM068764 6	ENSMUST00000 218008.1	Rnf227	ENSMUSG00 000043419	ring finger protein 227 Source MGI Symbol Acc MGI 1915359
G04	UPFM074230 9	ENSMUST00000 150239.1	Ttc39aos1	ENSMUSG00 000085873	Ttc39a opposite strand RNA 1 Source MGI Symbol Acc MGI 3651956
G05	UPFM063619 8	ENSMUST00000 210953.1	5830432E 09Rik	ENSMUSG00 000097471	RIKEN cDNA 5830432E09 gene Source MGI Symbol Acc MGI 1915015
G06	UPFM063915 6	ENSMUST00000 181882.2	9530052C 20Rik	ENSMUSG00 000097858	RIKEN cDNA 9530052C20 gene Source MGI Symbol Acc MGI 2443632
G07	UPFM063762 8	ENSMUST00000 181226.7	A330023F 24Rik	ENSMUSG00 000096929	RIKEN cDNA A330023F24 gene Source MGI Symbol Acc MGI 2443958
G08	UPFM097921 9	ENSMUST00000 181447.7	D430036J 16Rik	ENSMUSG00 000097466	RIKEN cDNA D430036J16 gene Source MGI Symbol Acc MGI 2441977
G09	UPFM072178 5	ENSMUST00000 133723.1	Gm15050	ENSMUSG00 000087626	predicted gene 15050 Source MGI Symbol Acc MGI 3705180
G10	UPFM071809 1	ENSMUST00000 098305.3	4632427E 13Rik	ENSMUSG00 000074024	RIKEN cDNA 4632427E13 gene Source MGI Symbol Acc MGI 1915436
G11	UPFM064343 9	ENSMUST00000 181327.1	4930554H 23Rik	ENSMUSG00 000097682	RIKEN cDNA 4930554H23 gene Source MGI Symbol Acc MGI 1924881
G12	UPFM064296 3	ENSMUST00000 181344.1	4931440J1 0Rik	ENSMUSG00 000097775	RIKEN cDNA 4931440J10 gene Source MGI Symbol Acc MGI 1918250
H01	UPFM113294 6	ENSMUST00000 163829.1	Actb	ENSMUSG00 000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	UPFM113294 7	ENSMUST00000 102476.4	B2m	ENSMUSG00 000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	UPFM113294 8	ENSMUST00000 117757.8	Gapdh	ENSMUSG00 000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	UPFM113294 9	ENSMUST00000 026613.13	Gusb	ENSMUSG00 000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	UPFM113295 0	ENSMUST00000 166469.7	Hsp90ab1	ENSMUSG00 000023944	heat shock protein 90 alpha (cytosolic), class B member 1 Source MGI Symbol Acc MGI 96247
H06	UPFM112660 9	UPL_MGDC	MGDC	UPL_MGDC	Mouse 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 IncRNA 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 IncRNA 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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