RT² Profiler PCR Array (Rotor-Gene® Format)

Human miR-155 Targets

Cat. no. 330231 PAHS-6002ZR

For pathway expression analysis

Format	For use with the following real-time cyclers
RT² Profiler PCR Array, Format R	Rotor-Gene Q, other Rotor-Gene cyclers

Description

The Human miR-155 Targets RT² Profiler PCR Array profiles the expression of 84 hsa-miR-155-5p target genes. This panel of 84 genes includes currently known experimentally verified plus bioinformatically predicted target genes regulated by hsa-miR-155-5p. miRNA target gene expression analysis provides further insight into the function of these specific miRNAs. Using real-time PCR, research studies can easily and reliably analyze the expression of a focused panel of genes likely to be regulated by miR-155 with this array.

For further details, consult the *RT² Profiler PCR Array Handbook*.

Shipping and storage

RT² Profiler PCR Arrays in the Rotor-Gene format are shipped at ambient temperature, on dry ice, or blue ice packs depending on destination and accompanying products.

For long term storage, keep plates at –20°C.

Note: Ensure that you have the correct RT² Profiler PCR Array format for your real-time cycler (see table above).

Note: Open the package and store the products appropriately immediately on receipt.

Array layout

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.

Gene table: RT² Profiler PCR Array

Position	UniGene	GenBank	Symbol	Description
A01	Hs.468878	NM_014911	AAK1	AP2 associated kinase 1
A02	Hs.728754	NM_031850	AGTR1	Angiotensin II receptor, type 1
A03	Hs.149342	NM_020661	AICDA	Activation-induced cytidine deaminase
A04	Hs.158932	NM_000038	APC	Adenomatous polyposis coli
A05	Hs.317304	NM_152641	ARID2	AT rich interactive domain 2 (ARID, RFX-like)
A06	Hs.601562	NM_198187	ASTN2	Astrotactin 2
A07	Hs.154276	NM_001186	BACH1	BTB and CNC homology 1, basic leucine zipper transcription factor 1
A08	Hs.496748	NM_021946	BCORL1	BCL6 corepressor-like 1
A09	Hs.648101	NM_032415	CARD11	Caspase recruitment domain family, member 11
A10	Hs.517106	NM_005194	CEBPB	CCAAT/enhancer binding protein (C/EBP), beta
A11	Hs.59159	NM_025134	CHD9	Chromodomain helicase DNA binding protein 9
A12	Hs.651905	NM_001319	CSNK1G2	Casein kinase 1, gamma 2
B01	Hs.8867	NM_001554	CYR61	Cysteine-rich, angiogenic inducer, 61
B02	Hs.567523	NM_017996	DET1	De-etiolated homolog 1 (Arabidopsis)
B03	Hs.29403	NM_024612	DHX40	DEAH (Asp-Glu-Ala-His) box polypeptide 40
B04	Hs.440364	NM_004411	DYNC1I1	Dynein, cytoplasmic 1, intermediate chain 1
B05	Hs.511899	NM_001955	EDN1	Endothelin 1
B06	Hs.369438	NM_005238	ETS1	V-ets erythroblastosis virus E26 oncogene homolog 1 (avian)
B07	Hs.86131	NM_003824	FADD	Fas (TNFRSF6)-associated via death domain
B08	Hs.567268	NM_002009	FGF7	Fibroblast growth factor 7
B09	Hs.220950	NM_001455	FOXO3	Forkhead box O3
B10	Hs.303676	NM_203505	G3BP2	GTPase activating protein (SH3 domain) binding protein 2
B11	Hs.492277	NM_001001557	GDF6	Growth differentiation factor 6
B12	Hs.546259	NM_002107	H3F3A	H3 histone, family 3A
C01	Hs.510172	NM_006734	HIVEP2	Human immunodeficiency virus type I enhancer binding protein 2
C02	Hs.516539	NM_194247	HNRNPA3	Heterogeneous nuclear ribonucleoprotein A3
C03	Hs.520414	NM_000416	IFNGR1	Interferon gamma receptor 1
C04	Hs.321045	NM_014002	IKBKE	Inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon
C05	Hs.465885	NM_004516	ILF3	Interleukin enhancer binding factor 3, 90kDa
C06	Hs.262886	NM_005541	INPP5D	Inositol polyphosphate-5-phosphatase, 145kDa
C07	Hs.369265	NM_007199	IRAK3	Interleukin-1 receptor-associated kinase 3
C08	Hs.630189	NM_004973	JARID2	Jumonji, AT rich interactive domain 2
C09	Hs.463045	NM_021078	KAT2A	K(lysine) acetyltransferase 2A
C10	Hs.505033	NM_004985	KRAS	V-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog
C11	Hs.45231	NM_012317	LDOC1	Leucine zipper, down-regulated in cancer 1
C12	Hs.123464	NM_005767	LPAR6	Lysophosphatidic acid receptor 6
D01	Hs.169487	NM_005461	MAFB	V-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)
D02	Hs.268939	NM_018834	MATR3	Matrin 3
D03	Hs.200716	NM_004992	MECP2	Methyl CpG binding protein 2 (Rett syndrome)
D04	Hs.268675	NM_005587	MEF2A	Myocyte enhancer factor 2A
D05	Hs.526754	NM_002398	MEIS1	Meis homeobox 1
D06	Hs.195364	NM_000249	MLH1	MutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)
D07	Hs.597656	NM_000251	MSH2	MutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)
D08	Hs.445052	NM_000179	MSH6	MutS homolog 6 (E. coli)
D09	Hs.654446	NM_005375	MYB	V-myb myeloblastosis viral oncogene homolog (avian)
D10	Hs.481720	NM_012334	MYO10	Myosin X
D11	Hs.9788	NM_030571	NDFIP1	Nedd4 family interacting protein 1
D12	Hs.513470	NM_032815	NFATC2IP	Nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 interacting protein
E01	Hs.31588	NM_002515	NOVA1	Neuro-oncological ventral antigen 1
E02	Hs.369430	NM_000919	PAM	Peptidylglycine alpha-amidating monooxygenase
E03	Hs.7886	NM_020651	PELI1	Pellino homolog 1 (Drosophila)
E04	Hs.12420	NM_199320	PHF17	PHD finger protein 17
E05	Hs.672452	NM_152666	PLD5	Phospholipase D family, member 5
E06	Hs.369920	NM_015646	RAP1B	RAP1B, member of RAS oncogene family
E07	Hs.247077	NM_001664	RHOA	Ras homolog gene family, member A
E08	Hs.519842	NM_003804	RIPK1	Receptor (TNFRSF)-interacting serine-threonine kinase 1

Position	UniGene	GenBank	Symbol	Description
E09	Hs.298248	NM_001003698	RREB1	Ras responsive element binding protein 1
E10	Hs.535845	NM_004348	RUNX2	Runt-related transcription factor 2
E11	Hs.512856	NM_014692	SEC14L5	SEC14-like 5 (S. cerevisiae)
E12	Hs.128199	NM_018243	SEPT11	Septin 11
F01	Hs.705384	NM_003036	SKI	V-ski sarcoma viral oncogene homolog (avian)
F02	Hs.274531	NM_015360	SKIV2L2	Superkiller viralicidic activity 2-like 2 (S. cerevisiae)
F03	Hs.604588	NM_005900	SMAD1	SMAD family member 1
F04	Hs.12253	NM_005901	SMAD2	SMAD family member 2
F05	Hs.167700	NM_005903	SMAD5	SMAD family member 5
F06	Hs.50640	NM_003745	SOCS1	Suppressor of cytokine signaling 1
F07	Hs.202526	NM_005986	SOX1	SRY (sex determining region Y)-box 1
F08	Hs.502511	NM_003120	SPI1	Spleen focus forming virus (SFFV) proviral integration oncogene spi1
F09	Hs.307913	NM_003763	STX16	Syntaxin 16
F10	Hs.477315	NM_014980	STXBP5L	Syntaxin binding protein 5-like
F11	Hs.269775	NM_015093	TAB2	TGF-beta activated kinase 1/MAP3K7 binding protein 2
F12	Hs.554594	NM_005648	TCEB1	Transcription elongation factor B (SIII), polypeptide 1 (15kDa, elongin C)
G01	Hs.444213	NM_007005	TLE4	Transducin-like enhancer of split 4 (E(sp1) homolog, Drosophila)
G02	Hs.513094	NM_023003	TM6SF1	Transmembrane 6 superfamily member 1
G03	Hs.533192	NM_014765	TOMM20	Translocase of outer mitochondrial membrane 20 homolog (yeast)
G04	Hs.700624	NM_033285	TP53INP1	Tumor protein p53 inducible nuclear protein 1
G05	Hs.278436	NM_020856	TSHZ3	Teashirt zinc finger homeobox 3
G06	Hs.358997	NM_153712	TTL	Tubulin tyrosine ligase
G07	Hs.8372	NM_006830	UQCR11	Ubiquinol-cytochrome c reductase, complex III subunit XI
G08	Hs.464416	NM_005151	USP14	Ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase)
G09	Hs.111227	NM_003413	ZIC3	Zic family member 3
G10	Hs.644041	NM_197968	ZMYM2	Zinc finger, MYM-type 2
G11	Hs.189826	NM_007345	ZNF236	Zinc finger protein 236
G12	Hs.463375	NM_014897	ZNF652	Zinc finger protein 652
H01	Hs.520640	NM_001101	ACTB	Actin, beta
H02	Hs.534255	NM_004048	B2M	Beta-2-microglobulin
H03	Hs.592355	NM_002046	GAPDH	Glyceraldehyde-3-phosphate dehydrogenase
H04	Hs.412707	NM_000194	HPRT1	Hypoxanthine phosphoribosyltransferase 1
H05	Hs.546285	NM_001002	RPLP0	Ribosomal protein, large, P0
H06	N/A	SA_00105	HGDC	Human Genomic DNA Contamination
H07	N/A	SA_00104	RTC	Reverse Transcription Control
H08	N/A	SA_00104	RTC	Reverse Transcription Control
H09	N/A	SA_00104	RTC	Reverse Transcription Control
H10	N/A	SA_00103	PPC	Positive PCR Control
H11	N/A	SA_00103	PPC	Positive PCR Control
H12	N/A	SA_00103	PPC	Positive PCR Control

Related products

For optimal performance, RT² Profiler PCR Arrays should be used together with the RT² First Strand Kit for cDNA synthesis and RT² SYBR® Green qPCR Mastermixes for PCR.

Product	Contents	Cat. no.
RT² First Strand Kit (12)	Enzymes and reagents for cDNA synthesis	330401
RT² SYBR Green ROX™ FAST Mastermix (2)*	For 2 x 96 assays in 96-well plates; suitable for use with the Rotor-Gene Q and other Rotor-Gene cyclers	330620

* Larger kit sizes available; please inquire.

RT² Profiler PCR Array products 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.

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