

RT² Profiler PCR Array (Rotor-Gene[®] Format)

Human Chemokines & Receptors

Cat. no. 330231 PAHS-022ZR

For pathway expression analysis

Format	For use with the following real-time cyclers
RT ² Profiler PCR Array, Format R	Rotor-Gene Q, other Rotor-Gene cyclers

Description

The Human Chemokines & Receptors RT² Profiler PCR Array profiles the expression of 84 genes that encode chemokines and their receptors. The array contains members of the C-C and C-X-C motif subfamilies of small inducible cytokines and their receptors as well as other related genes. Using real-time PCR, you can easily and reliably analyze expression of a focused panel of genes related to the immune system 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.



Sample & Assay Technologies

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.494997	NM_001735	C5	Complement component 5
A02	Hs.2161	NM_001736	C5AR1	Complement component 5a receptor 1
A03	Hs.146346	NM_001296	CCBP2	Chemokine binding protein 2
A04	Hs.72918	NM_002981	CCL1	Chemokine (C-C motif) ligand 1
A05	Hs.54460	NM_002986	CCL11	Chemokine (C-C motif) ligand 11
A06	Hs.414629	NM_005408	CCL13	Chemokine (C-C motif) ligand 13
A07	Hs.272493	NM_032963	CCL14	Chemokine (C-C motif) ligand 14
A08	Hs.272493	NM_032965	CCL15	Chemokine (C-C motif) ligand 15
A09	Hs.10458	NM_004590	CCL16	Chemokine (C-C motif) ligand 16
A10	Hs.546294	NM_002987	CCL17	Chemokine (C-C motif) ligand 17
A11	Hs.143961	NM_002988	CCL18	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)
A12	Hs.50002	NM_006274	CCL19	Chemokine (C-C motif) ligand 19
B01	Hs.303649	NM_002982	CCL2	Chemokine (C-C motif) ligand 2
B02	Hs.75498	NM_004591	CCL20	Chemokine (C-C motif) ligand 20
B03	Hs.57907	NM_002989	CCL21	Chemokine (C-C motif) ligand 21
B04	Hs.534347	NM_002990	CCL22	Chemokine (C-C motif) ligand 22
B05	Hs.169191	NM_005064	CCL23	Chemokine (C-C motif) ligand 23
B06	Hs.247838	NM_002991	CCL24	Chemokine (C-C motif) ligand 24
B07	Hs.310511	NM_005624	CCL25	Chemokine (C-C motif) ligand 25
B08	Hs.131342	NM_006072	CCL26	Chemokine (C-C motif) ligand 26
B09	Hs.648124	NM_006664	CCL27	Chemokine (C-C motif) ligand 27
B10	Hs.656904	NM_148672	CCL28	Chemokine (C-C motif) ligand 28
B11	Hs.514107	NM_002983	CCL3	Chemokine (C-C motif) ligand 3
B12	Hs.75703	NM_002984	CCL4	Chemokine (C-C motif) ligand 4
C01	Hs.514821	NM_002985	CCL5	Chemokine (C-C motif) ligand 5
C02	Hs.251526	NM_006273	CCL7	Chemokine (C-C motif) ligand 7
C03	Hs.271387	NM_005623	CCL8	Chemokine (C-C motif) ligand 8
C04	Hs.301921	NM_001295	CCR1	Chemokine (C-C motif) receptor 1
C05	Hs.278446	NM_016602	CCR10	Chemokine (C-C motif) receptor 10
C06	Hs.511794	NM_001123396	CCR2	Chemokine (C-C motif) receptor 2
C07	Hs.506190	NM_001837	CCR3	Chemokine (C-C motif) receptor 3
C08	Hs.184926	NM_005508	CCR4	Chemokine (C-C motif) receptor 4
C09	Hs.450802	NM_000579	CCR5	Chemokine (C-C motif) receptor 5
C10	Hs.46468	NM_004367	CCR6	Chemokine (C-C motif) receptor 6
C11	Hs.370036	NM_001838	CCR7	Chemokine (C-C motif) receptor 7
C12	Hs.113222	NM_005201	CCR8	Chemokine (C-C motif) receptor 8
D01	Hs.225946	NM_006641	CCR9	Chemokine (C-C motif) receptor 9
D02	Hs.729361	NM_016557	CCRL1	Chemokine (C-C motif) receptor-like 1
D03	Hs.535713	NM_003965	CCRL2	Chemokine (C-C motif) receptor-like 2
D04	Hs.15159	NM_181641	CKLF	Chemokine-like factor
D05	Hs.197143	NM_004072	CMKLR1	CHEMOKINE-LIKE RECEPTOR 1
D06	Hs.549232	NM_181269	CMTM1	CKLF-like MARVEL transmembrane domain containing 1
D07	Hs.195685	NM_144673	CMTM2	CKLF-like MARVEL transmembrane domain containing 2
D08	Hs.298198	NM_144601	CMTM3	CKLF-like MARVEL transmembrane domain containing 3
D09	Hs.643961	NM_178818	CMTM4	CKLF-like MARVEL transmembrane domain containing 4
D10	Hs.531668	NM_002996	CX3CL1	Chemokine (C-X3-C motif) ligand 1
D11	Hs.78913	NM_001337	CX3CR1	Chemokine (C-X3-C motif) receptor 1
D12	Hs.789	NM_001511	CXCL1	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
E01	Hs.632586	NM_001565	CXCL10	Chemokine (C-X-C motif) ligand 10
E02	Hs.632592	NM_005409	CXCL11	Chemokine (C-X-C motif) ligand 11
E03	Hs.522891	NM_000609	CXCL12	Chemokine (C-X-C motif) ligand 12
E04	Hs.100431	NM_006419	CXCL13	Chemokine (C-X-C motif) ligand 13
E05	Hs.483444	NM_004887	CXCL14	Chemokine (C-X-C motif) ligand 14
E06	Hs.708201	NM_022059	CXCL16	Chemokine (C-X-C motif) ligand 16
E07	Hs.590921	NM_002089	CXCL2	Chemokine (C-X-C motif) ligand 2
E08	Hs.89690	NM_002090	CXCL3	Chemokine (C-X-C motif) ligand 3
E09	Hs.89714	NM_002994	CXCL5	Chemokine (C-X-C motif) ligand 5

Position	UniGene	GenBank	Symbol	Description
E10	Hs.164021	NM_002993	CXCL6	Chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic protein 2)
E11	Hs.77367	NM_002416	CXCL9	Chemokine (C-X-C motif) ligand 9
E12	Hs.194778	NM_000634	CXCR1	Chemokine (C-X-C motif) receptor 1
F01	Hs.846	NM_001557	CXCR2	Chemokine (C-X-C motif) receptor 2
F02	Hs.198252	NM_001504	CXCR3	Chemokine (C-X-C motif) receptor 3
F03	Hs.593413	NM_003467	CXCR4	Chemokine (C-X-C motif) receptor 4
F04	Hs.113916	NM_001716	CXCR5	Chemokine (C-X-C motif) receptor 5
F05	Hs.34526	NM_006564	CXCR6	Chemokine (C-X-C motif) receptor 6
F06	Hs.471751	NM_020311	CXCR7	Chemokine (C-X-C motif) receptor 7
F07	Hs.153381	NM_002036	DARC	Duffy blood group, chemokine receptor
F08	Hs.753	NM_002029	FPR1	Formyl peptide receptor 1
F09	Hs.46453	NM_005291	GPR17	G protein-coupled receptor 17
F10	Hs.597216	NM_001530	HIF1A	Hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
F11	Hs.459095	NM_004513	IL16	Interleukin 16
F12	Hs.126256	NM_000576	IL1B	Interleukin 1, beta
G01	Hs.73917	NM_000589	IL4	Interleukin 4
G02	Hs.624	NM_000584	IL8	Interleukin 8
G03	Hs.72933	NM_002620	PF4V1	Platelet factor 4 variant 1
G04	Hs.2164	NM_002704	PPBP	Pro-platelet basic protein (chemokine (C-X-C motif) ligand 7)
G05	Hs.29802	NM_004787	SLIT2	Slit homolog 2 (Drosophila)
G06	Hs.519033	NM_003264	TLR2	Toll-like receptor 2
G07	Hs.174312	NM_138554	TLR4	Toll-like receptor 4
G08	Hs.241570	NM_000594	TNF	Tumor necrosis factor
G09	Hs.592212	NM_001953	TYMP	Thymidine phosphorylase
G10	Hs.546295	NM_002995	XCL1	Chemokine (C motif) ligand 1
G11	Hs.458346	NM_003175	XCL2	Chemokine (C motif) ligand 2
G12	Hs.248116	NM_005283	XCR1	Chemokine (C motif) receptor 1
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.
RT ² First Strand Kit (12)	Enzymes and reagents for cDNA synthesis	330401
RT ² 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.

Trademarks: QIAGEN[®], Rotor-Gene[®], Rotor-Disc™ (QIAGEN Group); ROX™ (Applied Biosystems or its subsidiaries); SYBR[®] (Molecular Probes, Inc.).

1067688 03/2011 © 2011 QIAGEN, all rights reserved.

www.qiagen.com

Australia ■ 1-800-243-800

Austria ■ 0800/281010

Belgium ■ 0800-79612

Brazil ■ 0800-557779

Canada ■ 800-572-9613

China ■ 8621-3865-3865

Denmark ■ 80-885945

Finland ■ 0800-914416

France ■ 01-60-920-930

Germany ■ 02103-29-12000

Hong Kong ■ 800 933 965

Ireland ■ 1800 555 049

Italy ■ 800-787980

Japan ■ 03-6890-7300

Korea (South) ■ 080-000-7145

Luxembourg ■ 8002 2076

Mexico ■ 01-800-7742-436

The Netherlands ■ 0800 0229592

Norway ■ 800-18859

Singapore ■ 1800-742-4368

Spain ■ 91-630-7050

Sweden ■ 020-790282

Switzerland ■ 055-254-22-11

UK ■ 01293-422-911

USA ■ 800-426-8157



Sample & Assay Technologies