

RT² Profiler PCR Array (Rotor-Gene® Format)

Chicken Housekeeping Genes

Cat. no. 330231 PAGG-000ZR

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 Chicken Housekeeping Genes RT² Profiler PCR Array profiles the expression of 8 identical sets of 12 commonly used housekeeping genes. This array can be easily used to identify genes with a constant level of expression among different experimental conditions for use in normalizing relative gene expression profiling experiment. Housekeeping genes encode proteins that are usually essential for the maintenance of cellular function. Their expression often, but not always, remains constant under most experimental conditions. Some of these genes may be regulated under certain circumstances and may vary with cell type. Using real-time PCR, research studies can easily and reliably analyze the expression of these housekeeping genes among different experimental conditions 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	Assay
A01	Gga.5962	NM_001031063	ACTA1	Actin, alpha 1, skeletal muscle	PPG06508A
A02	Gga.48207	NM_205518	ACTB	Actin, beta	PPG17308A
A03	Gga.6383	NM_204305	GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	PPG00285B
A04	Gga.16004	NM_001039316	GUSB	Glucuronidase, beta	PPG10136A
A05	Gga.50291	XM_425746	H6PD	Hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	PPG10346A
A06	Gga.8480	XM_417846	HMBS	Hydroxymethylbilane synthase	PPG05149A
A07	Gga.4398	NM_205284	LDHA	Lactate dehydrogenase A	PPG01437B
A08	Gga.4523	NM_001007479	RPL4	Ribosomal protein L4	PPG02048A
A09	Gga.33624	NM_204987	RPLP0	Ribosomal protein, large, P0	PPG01103A
A10	Gga.23911	NM_205322	RPLP1	Ribosomal protein, large, P1	PPG01475A
A11	Gga.3619	NM_205256	TFRC	Transferrin receptor (p90, CD71)	PPG01408A
A12	Gga.39142	XM_001234599	UBC	Ubiquitin C	PPG01607A
B01	Gga.5962	NM_001031063	ACTA1	Actin, alpha 1, skeletal muscle	PPG06508A
B02	Gga.48207	NM_205518	ACTB	Actin, beta	PPG17308A
B03	Gga.6383	NM_204305	GAPDH	Glyceraldehyde-3-phosphate dehydrogenase	PPG00285B
B04	Gga.16004	NM_001039316	GUSB	Glucuronidase, beta	PPG10136A
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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.

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