

Recombinant Human RARG 293 Cell Lysate

Cat. No. RARG-2512HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for retinoic acid receptor, gamma (RARG), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

[RARG](#) retinoic acid receptor, gamma [[Homo sapiens](#)]

Official Symbol

RARG

Synonyms

RARG; retinoic acid receptor, gamma; retinoic acid receptor gamma; NR1B3; RARC; RAR-gamma; nuclear receptor subfamily 1 group B member 3; retinoic acid nuclear receptor gamma variant 1; retinoic acid nuclear receptor gamma variant 2;

Gene ID

[5916](#)

mRNA Refseq

[NM_000966](#)

Protein Refseq

[NP_000957](#)

MIM

[180190](#)

UniProt ID

[P13631](#)

**Chromosome
Location**

12q13

Pathway

Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Nuclear Receptor transcription pathway, organism-specific biosystem; Nuclear Receptors, organism-specific biosystem; Nuclear receptors in lipid metabolism and toxicity, organism-specific biosystem; Vitamin A and

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carotenoid metabolism, organism-specific biosystem;

Function

DNA binding; metal ion binding; protein binding; receptor activity; retinoic acid receptor activity; retinoid X receptor binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; steroid hormone receptor activity; zinc ion binding;

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