

Recombinant Human RARG, His-tagged

Cat. No. RARG-31055TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 150-417 of Human Retinoic Acid Receptor gamma with a His tag expressed in a baculovirus system. Predicted MW 30 kDa.
Species	Human
ProteinLength	150-417 a.a.
Description	This gene encodes a retinoic acid receptor that belongs to the nuclear hormone receptor family. Retinoic acid receptors (RARs) act as ligand-dependent transcriptional regulators. When bound to ligands, RARs activate transcription by binding as heterodimers to the retinoic acid response elements (RARE) found in the promoter regions of the target genes. In their unbound form, RARs repress transcription of their target genes. RARs are involved in various biological processes, including limb bud development, skeletal growth, and matrix homeostasis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Conjugation	HIS
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 20% Glycerol, 20mM Tris HCl, 100mM Potassium

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chloride, 1mM DTT, 0.2mM EDTA, pH 8.0

Storage

Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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;

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;

Function

DNA binding; metal ion binding; protein binding; receptor activity; retinoic acid

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receptor activity;

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