Recombinant Human RARG

Cat. No. RARG-31057TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 150-417 of Human Retinoic Acid Receptor gamma expressed in a baculovirus system with proprietary tag, approximately 56kDa.
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.
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 20% Glycerol, 20mM Tris HCl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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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 receptor activity;

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