

Recombinant Human RARG-LBD Protein, His-tagged

Cat. No. RARG-1130H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RARG-LBD Protein (154-415) with a His tag was expressed in E. coli and purified by affinity chromatography in combination with FPLC columns.
Species	Human
Source	E.coli
ProteinLength	154-415
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.
Molecular Mass	29.5 kDa
AA Sequence	MSKEAVRNDNRNKKKKEVKEEGSPDSYELSPQLEELITKVSKAHQETFPSPCLQLGKYT TNSSADHRVQLDLGLWDKFSELATKCIKIVEFAKRLPGFTGLSIADQITLLKAACLDIL MLRICTRYTPEQDTMTFS DGLTLNRTQMHNAGFGPLTDLVFAFAGQLLPLEMDDTE TGLLSAICLICGDRMDLEEPEKVDKLQEPLLEALRLYARRRRPSQPYMFPRMLMKIT

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DLRGISTKGAERAITLKMEIPGPMPLIREM

Purity

> 95% homogeneous based on SDS-PAGE analysis.

Unit Definition

1 unit equals 1 nanogram of purified protein. 20-100 units are sufficient for a ligand binding assay and 100 units are sufficient for a protein-protein interaction assay.

Applications

DNA and protein-protein interaction assays.

Storage

Stored at -70 centigrade before use. Avoid repeated freeze thaw cycles.

Storage Buffer

20 mM Tris-HCl pH 7.9, 100 mM NaCl, 0.2 mM EDTA, 1 mM DTT and 20 % glycerol.

GENE INFORMATION

Gene Name

RARG retinoic acid receptor gamma [Homo sapiens (human)]

Official Symbol

RARG

Synonyms

RARG; retinoic acid receptor gamma; RARC; NR1B3; retinoic acid receptor gamma; 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

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UniProt ID

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