

Recombinant Human RARG Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RARG-3766H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RARG MS Standard C13 and N15-labeled recombinant protein (NP_000957) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	<p>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.</p>
Molecular Mass	50.3 kDa
AA Sequence	<p>MATNKERLFAAGALGPGSGYPGAGFPFAFPGALRGSPPFEMLSPSFRGLGQPDLP KEMASLSVETQSTSSEEMVPSSPSPPPPPRVYKPCFVCNDKSSGYHYGVSSCEGC KGFFRRSIQKNMVYTCNRDKNCIINKVTRNRCQYCRLQKCFEVGMSKEAVRNRNK KKKEVKEEGSPDSYELSPQLEELITKVSKAHQETFPSLCQLGKYTTNSSADHRVQLD</p>

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LGLWDKFSELATKCIKIVEFAKRLPGFTGLSIADQITLLKAACLDILMLRICTRYTPEQD
 TMTFSDGLTLNRTQMHNAGFGPLTDLVFAFAGQLLPLEMDDTETGLLSAICLICGDR
 MDLEEPEKVDKLQEPLLEALRLYARRRRPSQPYMFPRLMLKITDLRGISTKGAERAI
 TLKMEIPGMPPLIREMLENPEMFEDDSSQPGPHPNASSEDEVPGGQKGKGLKSP
 ATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [RARG retinoic acid receptor gamma \[Homo sapiens \(human\) \]](#)

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](#)

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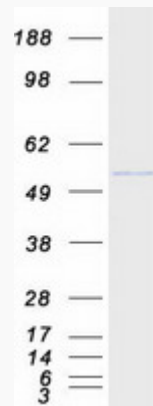
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Protein Refseq NP_000957

MIM 180190

UniProt ID P13631

SDS-PAGE



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