

Recombinant Mouse Rarg Protein, Myc/DDK-tagged

Cat. No. Rarg-5381M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length retinoic acid receptor, gamma (Rarg), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RAR/RXR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. In the absence of ligand, acts mainly as an activator of gene expression due to weak binding to corepressors. Required for limb bud development. In concert with RARA or RARB, required for skeletal growth, matrix homeostasis and growth plate function.
Molecular Mass	50.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Rarg retinoic acid receptor, gamma [*Mus musculus* (house mouse)]

Official Symbol Rarg

Synonyms RARG; retinoic acid receptor, gamma; retinoic acid receptor gamma; RAR-gamma; RAR gamma 2; nuclear receptor subfamily 1 group B member 3; RARD; Nr1b3; AI385767; RARGgamma2; MGC11555; MGC18523

Gene ID 19411

mRNA Refseq NM_011244

Protein Refseq NP_035374

UniProt ID P18911

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