

Datasheet for ABIN7551286

Retinoic Acid Receptor gamma Protein (AA 1-454) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Retinoic Acid Receptor gamma (RARG)
Protein Characteristics:	AA 1-454
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Retinoic Acid Receptor gamma protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RARG Protein expressed in mammalian cells.
Sequence:	MATNKERLFA AGALGPGSGY PGAGFPFAPP GALRGSPFFE MLSPSFRGLG QPDLPKEMAS LSVETQSTSS EEMVPSSPSP PPPPRVYKPC FVCNDKSSGY HYGVSSCEGC KGFFRRSIQK NMVYTCHRDK NCIINKVTRN RCQYCRLQKC FEVGMSKEAV RNDRNKKKKE VKEEGSPDSY ELSPQLEELI TKVSKAHQET FPSLCQLGKY TTNSSADHRV QLDLGLWDKF SELATKCIK IVEFAKRLPG FTGLSIADQI TLLKAACLDI LMLRICTRYT PEQDTMTFSD GLTLNRTQMH NAGFGPLTDL VFAFAGQLLP LEMDDTETGL LSAICLICGD RMDLEEPEKV DKLQEPLLEA LRLYARRRRP SQPYMFPRML MKITDLRGIS TKGAERAITL KMEIPGPMPP LIREMLENPE MFEDDSSQPG PHPNASSEDE VPGGQGKGG LKSPA Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

isoform, please contact us regarding an individual offer.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

Retinoic Acid Receptor gamma (RARG)

Alternative Name:

RARG ([RARG Products](#))

Background:

Retinoic acid receptor gamma (RAR-gamma) (Nuclear receptor subfamily 1 group B member 3),FUNCTION: 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 (By similarity). {ECO:0000250}.

Molecular Weight:

50.3 kDa

UniProt:

[P13631](#)

Target Details

Pathways: [Nuclear Receptor Transcription Pathway](#), [Retinoic Acid Receptor Signaling Pathway](#), [Steroid Hormone Mediated Signaling Pathway](#), [Regulation of Cell Size](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months