

Product datasheet for PH310815

Retinoic Acid Receptor gamma (RARG) (NM_000966) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RARG MS Standard C13 and N15-labeled recombinant protein (NP_000957)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210815
Predicted MW:	50.3 kDa
Protein Sequence:	>RC210815 protein sequence Red=Cloning site Green=Tags(s)

MATNKERLFAAGALGPGSGYPGAGFPFAFPGALRGSPPFEMLSPSFRGLGQPDLPKEMASLSVETQSTSS
EEMVPSSPSPPPPRVYKPCFVCNDKSSGYHYGVSSCEGCKGFFRRSIQKNMVTCHRDKNCIINKVTRN
RCQYCRQLQKCFEVGMSKEAVRNDNRNKKKKEVKEEGSPDSYELSPQLEELITKVSKAHQETFPSLCQLGKY
TTNSSADHRVQLDLGLWDFSELATKCIKIVEFAKRLPGFTGLSIADQITLLKAACLDILMLRICTRYT
PEQDTMTFSDGLTLNRTQMHNAGFGLTDLVFAFAGQLLPLEMDDTETGLLSAICLICGDRMDLEEPEKV
DKLQEPLLEALRLYARRRRPSQPYMFPRMLMKITDLRGI STKGAERAITLKMEIPGMPPLIREMLENPE
MFEDDSSQPGHPNASSEDEVGGQKGGLKSPA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000957
RefSeq Size:	2992
RefSeq ORF:	1362
Synonyms:	NR1B3; RARC



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Locus ID: 5916

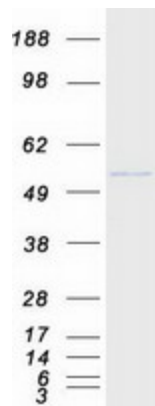
UniProt ID: [P13631](#), [A8K3H3](#)

Cytogenetics: 12q13.13

Summary: 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. [provided by RefSeq, Aug 2011]

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Product images:



Coomassie blue staining of purified RARG protein (Cat# [TP310815]). The protein was produced from HEK293T cells transfected with RARG cDNA clone (Cat# [RC210815]) using MegaTran 2.0 (Cat# [TT210002]).