

## Product datasheet for **TP310815M**

### Retinoic Acid Receptor gamma (RARG) (NM\_000966) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human retinoic acid receptor, gamma (RARG), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210815 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MATNKERLFAAGALGPGSGYPGAGFPFAFPGALRGSPFEMLSPSFRGLGQPDLPKEMASLSVETQSTSS  
EEMVPSSPSPPPPPRVYKPCFVCNDKSSGYHYGVSSCEGCKGFFRRSIQKNMVYTCHRDKNCIINKVTRN  
RCQYCRLLQKCFEVMGMSKEAVRNDNRNKKKKEVKEEGSPDSYELSPQLEELITKVSKAHQETFPSLCQLGKY  
TTNSSADHRVQLDLGLWDFSELATKCIKIVEFAKRLPGFTGLSIADQITLLKAACLDILMLRICTRYT  
PEQDTMTFS DGLTLNRTQMHNAGFGPLTDLVFAFAGQLLPLEMDDTETGLLSAICLICGDRMDLEEPEKV  
DKLQEPLLEALRLYARRRRPSQPYMFPRMLMKITDLRGISTKGAERAITLKMEIPGMPPLIREMLENPE  
MFEDDSSQPGPHPNASSEDEVPGGQGKGLKSPA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	50.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_000957](#)

Locus ID: 5916

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

RefSeq Size: 2992

Cytogenetics: 12q13.13

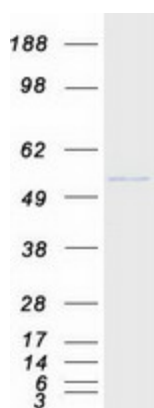
RefSeq ORF: 1362

Synonyms: NR1B3; RARC

**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]).