

## Product datasheet for **TP312502**

### PPAR gamma (PPARG) (NM\_015869) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human peroxisome proliferator-activated receptor gamma (PPARG), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212502 representing NM_015869 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MGETLGDSPIDPESDSFTDTLSANISQEMTMVDTEMPFWPTNFGISSVDLSVMEDHSHSFDIKPFTTVDF  
SSISTPHYEDIPFTRTDPVVADYKYDLKLQEQSAIKVEPASPPYYSEKTQLYNKPHEEPSNSLMAIECR  
VCGDKASGFHYGVHACEGCKGFFRRTIRLKLIIYDRCDLNCRIHKKSRNKCYCRFQKCLAVGMSHNAIRF  
GRMPQAEKEKLLAEISSDIDQLNPESADLRALAKHLYDSYIKSFPLTKAKARAILTGKTTDKSPFVIYDM  
NSLMMGEDKIKFKHITPLQEQSKEVAIRIFQGCQFRSVEAVQEITEYAKSIPGFVNLDLNDQVTLKYG  
HEIIYTMLASLMNKDGVLISEGQGFMTREFLKSLRKPFGDFMEPKFEFAVKFNALELDDSDLAIFIIVII  
LSGDRPGLLNKPIEDIQDNLLQALELQLKLNHPESQLFAKLLQKMTDLRQIVTEHVQLLQVIKKTETD  
MSLHPLLQEIKDLY

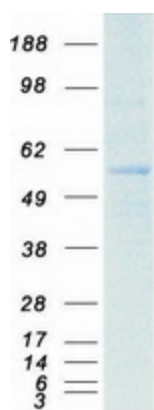
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	57.4 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.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_056953</a>
<b>Locus ID:</b>	5468
<b>UniProt ID:</b>	<a href="#">P37231</a>
<b>RefSeq Size:</b>	1820
<b>Cytogenetics:</b>	3p25.2
<b>RefSeq ORF:</b>	1515
<b>Synonyms:</b>	CIMT1; GLM1; NR1C3; PPARG1; PPARG2; PPARG5; PPARgamma
<b>Summary:</b>	This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) subfamily of nuclear receptors. PPARs form heterodimers with retinoid X receptors (RXRs) and these heterodimers regulate transcription of various genes. Three subtypes of PPARs are known: PPAR-alpha, PPAR-delta, and PPAR-gamma. The protein encoded by this gene is PPAR-gamma and is a regulator of adipocyte differentiation. Additionally, PPAR-gamma has been implicated in the pathology of numerous diseases including obesity, diabetes, atherosclerosis and cancer. Alternatively spliced transcript variants that encode different isoforms have been described. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
<b>Protein Pathways:</b>	Huntington's disease, Pathways in cancer, PPAR signaling pathway, Thyroid cancer

**Product images:**


Coomassie blue staining of purified PPARG protein (Cat# TP312502). The protein was produced from HEK293T cells transfected with PPARG cDNA clone (Cat# [RC212502]) using MegaTran 2.0 (Cat# [TT210002]).