

Product datasheet for PH312502

PPAR gamma (PPARG) (NM_015869) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PPARG MS Standard C13 and N15-labeled recombinant protein (NP_056953)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212502
Predicted MW:	57.4 kDa
Protein Sequence:	>RC212502 representing NM_015869 Red=Cloning site Green=Tags(s)

MGETLGDSPIDPESDSFTDTLSANISQEMTMVDTEMPFWPTNFGISSVDLSVMEDHSHSFDIKPFTTVDF
SSISTPHYEDIPFTRTDPVVADYKYDLKLQEYQSAIKVEPASPPYYSEKTQLYNKPHEEPSNSLMAIECR
VCGDKASGFHYGVHACEGCKGFFRRTIRLKLIDYRCDLNCRIHKKSRNKCYCRFQKCLAVGMSHNAIRF
GRMPQAEKEKLLAEISSDIDQLNPESADLRALAKHLYDSYIKSFPLTKAKARAILTGKTTDKSPFVIYDM
NSLMMGEDKIKFKHITPLQEQSKEVAIRIFQGCQFRSVEAVQEITEYAKSIPGFVNLDLNDQVTLKYG
HEIITYTMLASLMNKDGLVISEGQGFMTREFLKSLRKPFGDFMEPKFEFAVKFNALELDDSLAIFIAVII
LSGDRPGLLNKPIEDIQDNLQALELQLKLNHPESQLFAKLLQKMTDLRQIVTEHVQLLQVIKKTETD
MSLHPLLQEIKDLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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:	<u>NP_056953</u>
RefSeq Size:	1820
RefSeq ORF:	1515



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Synonyms: CIMT1; GLM1; NR1C3; PPARG1; PPARG2; PPARG5; PPARgamma

Locus ID: 5468

UniProt ID: [P37231](#)

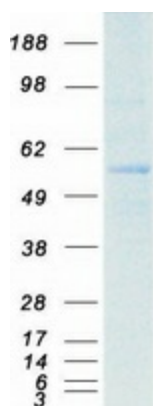
Cytogenetics: 3p25.2

Summary: 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]

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

Protein Pathways: 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]).