

## Product datasheet for PH312449

### PPAR gamma (PPARG) (NM\_005037) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PPARG MS Standard C13 and N15-labeled recombinant protein (NP_005028)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212449
Predicted MW:	54.7 kDa
Protein Sequence:	>RC212449 protein sequence Red=Cloning site Green=Tags(s)

MTMVDTEMPFWPTNFGISSVDLSVMEDHSHSFDIKPFTTVDFSSISTPHYEDIPFTRTDPVVADYKYDLK  
LQEYQSAIKVEPASPPYYSEKTQLYNKPHEEPSNSLMAIECRVCGDKASGFHYGVHACEGCKGFFRRTIR  
LKLIYDRCDLNCRIHKKSRNKQYCRFQKCLAVGMSHNAIRFGRMPQAEKEKLLAEISSDIDQLNPESAD  
LRALAKHLYDSYIKSFPLTKAKARAILTGKTTDKSPFVIYDMNSLMMGEDKIKFKHITPLQEQSKEVAIR  
IFQGCQFRSVEAVQEITEYAKSIPGFVNLDLNDQVTLKYGVHEIYTMASLMNKDGVLISEGQGFMTRE  
EFLKSLRKPFGDFMEPKFEFAVKFNALELDDSLAIFIAVILSGDRPGLLNKPIEDIQDNLLQALELQ  
LKLNHPESSQLFAKLLQKMTDLRQIVTEHVQLLQVIKKTETDMSLHPLLQEIKDLY

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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_005028</u>
RefSeq Size:	1818
RefSeq ORF:	1431
Synonyms:	CIMT1; GLM1; NR1C3; PPARG1; PPARG2; PPARG5; PPARGgamma



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Locus ID: 5468

UniProt ID: [P37231](#), [D2KUA6](#)

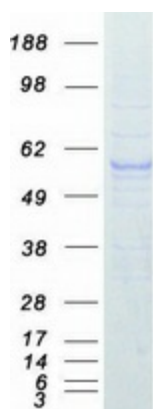
Cytogenetics: 3p25.2

**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# [TP312449]). The protein was produced from HEK293T cells transfected with PPARG cDNA clone (Cat# [RC212449]) using MegaTran 2.0 (Cat# [TT210002]).