

Recombinant Human PPARG Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PPARG-6217H Lot. No. (See product label)

SPECIFICATION

Product Overview	PPARG MS Standard C13 and N15-labeled recombinant protein (NP_056953) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	<p>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.</p>
Molecular Mass	57.4 kDa
AA Sequence	<p>MGETLGDSPIDPESDSFTDTLSANISQEMTMVDTEMPFWPTNFGISSVDLSVMEDH SHSFDIKPFTTVDFSSISTPHYEDIPFTRTDPVVADYKYDLKLQEYQSAIKVEPASPPY YSEKTQLYNKPHEEPSNSLMAIECRVCGDKASGFHYGVHACEGCKGFFRRTIRLKLI YDRCDLNCRIHKKSRNKQCQYCRFQKCLAVGMSHNAIRFGRMPQAEKEKLLAEISSDI</p>

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DQLNPESADLRALAKHLYDSYIKSFPLTKAKARAILTGKTTDKSPFVIYDMNSLMMGE
 DKIKFKHITPLQEQSKEVAIRIFQGCQFRSVEAVQEITEYAKSIPGFVNLDLNDQVTL
 KYGVHEIIYTMLASLMNKDGVLISEGQGFMTREFLKSLRKPFMGDFMEPKFEFAVKFN
 ALELDDSDLAIFIAVIILSGDRPGLLNVPKPIEDIQDNLLQAELQLKLNHPRESSQLFAKLL
 QKMTDLRQIVTEHVQLLQVIKKTETDMSLHPLLQEIKDLYTRTRPLEQKLISEEDLAA
 NDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [PPARG peroxisome proliferator-activated receptor gamma \[Homo sapiens \(human\) \]](#)

Official Symbol [PPARG](#)

Synonyms PPARG; peroxisome proliferator-activated receptor gamma; peroxisome proliferative activated receptor, gamma; NR1C3; PPARG1; PPARG2; PPARgamma; PPAR gamma; PPAR-gamma; nuclear receptor subfamily 1 group C member 3; peroxisome proliferator-activated receptor gamma 1; peroxisome proliferator-activated nuclear receptor gamma variant 1; GLM1; CIMT1;

Gene ID [5468](#)

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mRNA Refseq [NM_015869](#)

Protein Refseq [NP_056953](#)

MIM [601487](#)

UniProt ID [P37231](#)

SDS-PAGE



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