

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

Cat. No. PPARG-5244H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPARG MS Standard C13 and N15-labeled recombinant protein (NP_005028) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	54.7 kDa
AA Sequence	MTMVDTEMPFWPTNFGISSVDLSVMEDHSHSFDIKPFTTVDFSSISTPHYEDIPFTRT DPVVADYKYDLKLQEYQSAIKVEPASPPYYSEKTQLYNKPHEEPSNSLMAIECRVCG DKASGFHYGVHACEGCKGFFRRTIRLKLIIYDRCDLNCRIHKKSRNKCQYCRFQKCLA VGMSHNAIRFGRMPQAEKEKLLAEISSDIDQLNPESADLRALAKHLYDSYIKSFPLTK

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AKARAILTGKTTDKSPFVIYDMNSLMMGEDKIKFKHITPLQEQSKEVAIRIFQGCQFRS
 VEAVQEITEYAKSIPGFVNLDLNDQVTLLKYGVHEIYTMLASLMNKDGVLISEGQGF
 MTREFLKSLRKPFPGDFMEPKFEFAVKFNALELDDSDLAIFIIVILSGDRPGLLNKPIE
 DIQDNLLQALELQLKLNHPESQLFAKLLQKMTDLRQIVTEHVQLLQVIKKTETDMSL
 HPLLQEIYKDLYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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; PPARGgamma; 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_005037](#)

Protein Refseq [NP_005028](#)

MIM [601487](#)

UniProt ID [P37231](#)

SDS-PAGE



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