

# 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  
DKASGFHYGVHACEGCKGFFRRTIRLKLIIYDRCDLNCRIHKKSRNKQCQYCRFQKCLA  
VGMSHNAIRFGRMPQAEKEKLLAEISSDIDQLNPESADLRALAKHLYDSYIKSFPLTK

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AKARAILTGKTTDKSPFVIYDMNSLMMGEDKIKFKHITPLQEQSKEVAIRIFQGCQFRS  
 VEAVQEITEYAKSIPGFVNLDLNDQVTLLKYGVHEIYTMLASLMNKDGVLISEGQGF  
 MTREFLKSLRKPFMGDFMEPKFEFAVKFNALELDDSDLAIFIIVILSGDRPGLLNPKPIE  
 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; 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\\_005037](#)

Protein Refseq [NP\\_005028](#)

MIM [601487](#)

UniProt ID [P37231](#)

SDS-PAGE



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