

Recombinant Human PPARG, 209-477 aa, His-tagged

Cat. No. PPARG-2772H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PPARG protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 33.0kDa (290aa).
Species	Human
Source	E.coli
Description	PPARG, also known as Peroxisome proliferator-activated receptor gamma, is member of the nuclear hormone receptor subfamily of transcription factors. This protein regulates transcription of genes involved in Insulin action, adipocyte differentiation, lipid metabolism and inflammation. It is implicated in numerous diseases including obesity, diabetes, atherosclerosis and cancer. It also activators include prostanoids, fatty acids, thiazolidinediones and N-(2-benzoylphenyl) tyrosine analogues. PPARG may modulate macrophage functions such as proinflammatory activities, and stimulate oxidized low-density lipoprotein (x-LDL) uptake.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl.
Purity	> 95% by SDS - PAGE.
Concentration	1.0 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MADLRALAKH LYDSYIKSFP LTKAKARAIL TGK TTDKSPF VIYDMNSLMM GEDKIKFKHI TPLQEQSKEVAIRIFQGCQF RSVEAVQEIT

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EYAKSIPGFV NLDLNDQVTL LKYGVHEIY TMLASLMNKD GVLISEGQGF MTRE
FLKSLR KPFGDFMEPKFEFAVKFNAL ELDDSDLAIF IAVILSGDR PGLLNVKPIE
DIQD NLLQAL ELQLKLNHPE SSQLFAKLLQ KMTDLRQIVT EHVQ LLQVIK KTETD
MSLHP LLQEIYKDLY.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

PPARG peroxisome proliferator-activated receptor gamma [Homo sapiens]

Synonyms

PPARG; peroxisome proliferator-activated receptor gamma; GLM1; CIMT1; NR1C3; PPARG1; PPARG2; PPARGgamma; Peroxisome proliferator-activated receptor gamma; Nuclear receptor subfamily 1 group C member 3; peroxisome proliferative activated receptor, gamma; peroxisome proliferative activated receptor gamma; peroxisome proliferator-activated receptor gamma 1; OTTHUMP00000185030; OTTHUMP00000185033; OTTHUMP00000185037

Gene ID

5468

mRNA Refseq

NM_005037

Protein Refseq

NP_005028

MIM

601487

UniProt ID

P37231

**Chromosome
Location**

3p25

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Pathway	Huntington"s disease; PPAR signaling pathway; Pathways in cancer
Function	arachidonic acid binding; drug binding; metal ion binding; prostaglandin receptor activity; prostaglandin receptor activity; protein heterodimerization activity; retinoid X receptor binding; sequence-specific DNA binding; steroid hormone receptor activity; transcription activator activity; transcription activator binding; transcription activator binding; transcription factor activity; transcription repressor activity; zinc ion binding
PDB rendering based on 1fm6.	