

Recombinant Human PPARG, 1-477aa, His-tagged

Cat. No. PPARG-68H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human peroxisome proliferator-activated receptor gamma encoding amino acids 1-477 expressed in <i>E.coli</i> .
Species	Human
Source	<i>E.coli</i>
Protein Length	1-477 a.a.
Description	Peroxisome proliferators are non-genotoxic carcinogens which are purported to exert their effect on cells through their interaction with members of the nuclear hormone receptor family termed peroxisome proliferators activated receptors (PPARs). Nuclear hormone receptors are ligand-dependent intracellular proteins that stimulate transcription of specific genes by binding to specific DNA sequences following activation by the appropriate ligand. Studies indicate that PPARs are activated by peroxisome proliferators such as clofibric acid, nafenopin, and WY-14,643, as well as by some fatty acids.
Amino Acid Sequence	MTMVDTEMPFWPTNFGISSVDLSVMEDHSHSFDIKPFTTVDFSSISTPHYEDIPFTRT DPVVADYKYDLKLQEYQSAIKVEPASPPYYSEKTQLYNKPHEEPSNSLMAIECRVCG DKASGFHYGVHACEGCKGFFRRTIRLKLIIYDRCDLNCRIHKKSRNKCQYCRFQKCLA VGMSHNAIRFGRMPQAEKEKLLAEISSDIDQLNPESADLRALAKHLYDSYIKSFPLTK AKARAILTGKTTDKSPFVIYDMNSLMMGEDKIKFKHITPLQEQSKEVAIRIFQGCQFRS VEAVQEITEYAKSIPGFVNLDLNDQVTLLKYGVHEIYTMLASLMNKDGVLISEGQGF

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MTREFLKSLRKPFPGDFMEPKFEFAVKFNALELDDSDLAIFIIVILSGDRPGLLNVKPIE
DIQDNLLQALELQLKLNHPRESSQLFAKLLQKMTDLRQIVTEHVQLLQVIKKTETDMSL
HPLLQEIYKDLYZ.

Physical Appearance Sterile Filtered clear solution.

Formulation PPAR-g protein at 0.1mg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.

Applications •ELISA•Inhibition Assays •Western Blotting.

Characterization PPAR-g antibody reactive.

GENE INFORMATION

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

Synonyms PPARG; peroxisome proliferator-activated receptor gamma; GLM1; CIMT1; NR1C3; PPARG1; PPARG2; PPARgamma; 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](#)

UniProt ID [P37231](#)

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Chromosome Location	3p25
MIM	601487
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.	