

Recombinant Full Length Human PPARG Protein, C-Flag-tagged

Cat. No. PPARG-1838HFL **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|--|
| Product Overview | Recombinant Full Length Human PPARG Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells. |
| Species | Human |
| Source | Mammalian Cells |
| 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> |
| Form | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
| Molecular Mass | 57.4 kDa |
| AA Sequence | <p>MGETLGDSPIDPESDSFTDTLSANISQEMTMVDTEMPFWPTNFGISSVDLSVMEDH SHSFDIKPFTTVDF SSISTPHYEDIPFTRTDPVVADYKYDLKLQEYQSAIKVEPASPP YYSEKTQLYNKPHEEPSNSLMAIECR VCGDKASGFHYGVHACEGCKGFFRRTIRLK</p> |

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LIYDRCDLNCRIHKKSRNKCQYCRFQKCLAVGMSHNAIRF GRMPQAEKEKLLAEISS
 DIDQLNPESADLRALAKHLYDSYIKSFPLTKAKARAILTGKTTDKSPFVIYDM NSLMM
 GEDKIKFKHITPLQEQSKEVAIRIFQGCQFRSVEAVQEITEYAKSIPGFVNLDLNDQVT
 LLKYGV HEIYTMLASLMNKDGVLISEGGFMTREFLKSLRKPFDFMEPKFEFAVK
 FNALELDDSDLAIFIAVII LSGDRPGLLNVKPIEDIQDNLLQALELQLKLNHPESQLFA
 KLLQKMTDLRQIVTEHVQLLQVIKKTETD MSLHPLLQEIKDLY TRTRPLEQKLISEE
 DLAANDILDYKDDDDKV

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

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >50 ug/mL as determined by microplate BCA method.

Preparation Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Protein Pathways Huntington's disease, Pathways in cancer, PPAR signaling pathway, Thyroid cancer

Full Length Full L.

GENE INFORMATION

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

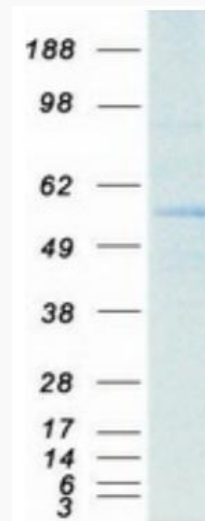
Official Symbol [PPARG](#)

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| | |
|-----------------------|---|
| Synonyms | GLM1; CIMT1; NR1C3; PPARG1; PPARG2; PPARG5; PPARgamma |
| Gene ID | 5468 |
| mRNA Refseq | NM_015869.5 |
| Protein Refseq | NP_056953.2 |
| MIM | 601487 |
| UniProt ID | P37231 |



Coomassie blue staining of purified PPARG protein.

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