

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

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

SPECIFICATION

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	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	57.4 kDa
AA Sequence	MGETLGDSPIDPESDSFTDTLSANISQEMTMVDTEMPFWPTNFGISSVDLSVMEDH SHSFDIKPFTTVDF SSISTPHYEDIPFTRTDPVVADYKYDLKLQEYQSAIKVEPASPP YYSEKTQLYNKPHEEPSNSLMAIECR VCGDKASGFHYGVHACEGCKGFFRRTIRLK

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LIYDRCDLNCRIHKKSRNKCQYCRFQKCLAVGMSHNAIRF GRMPQAEKEKLLAEISS
 DIDQLNPESADLRALAKHLYDSYIKSFPLTKAKARAILTGKTTDKSPFVIYDM NSLMM
 GEDKIKFKHITPLQEQSKEVAIRIFQGCQFRSVEAVQEITEYAKSIPGFVNLDLNDQVT
 LLKYGV HEIYTMLASLMNKDGVLISEGQGFMTREFLKSRLKPFPGDFMEPKFEFAVK
 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.

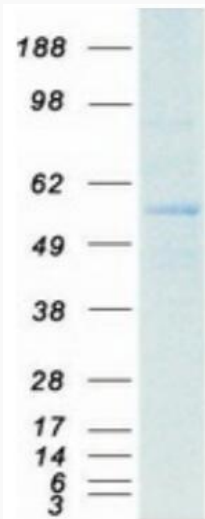
GENE INFORMATION

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; PPARGgamma
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.	