Recombinant Human PPARG, His-tagged

Cat. No. PPARG-31034TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 204-477 of His tagged Human PPAR gamma. Predicted MW 31 kDa,
Species	Human
Source	E.coli
ProteinLength	204-477 a.a.
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.
Conjugation	HIS
Tissue specificity	Highest expression in adipose tissue. Lower in skeletal muscle, spleen, heart and liver. Also detectable in placenta, lung and ovary.
Biological activity	PPARG-31034TH has been tested in a SRC1 interaction assay and has been found

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	to be ligand dependent.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 20% Glycerol, 20mM Tris HCl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the nuclear hormone receptor family. NR1 subfamily.Contains 1 nuclear receptor DNA-binding domain.

GENE INFORMATION

Gene Name	PPARG peroxisome proliferator-activated receptor gamma [Homo sapiens]
Official Symbol	PPARG
Synonyms	PPARG; peroxisome proliferator-activated receptor gamma; peroxisome proliferative activated receptor, gamma; NR1C3; PPARG1; PPARG2; PPARgamma;
Gene ID	5468
mRNA Refseq	NM_005037
Protein Refseq	NP_005028
MIM	601487

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Uniprot ID	P37231
Chromosome Location	3p25
Pathway	Adipogenesis, organism-specific biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Energy Metabolism, organism-specific biosystem; Gene Expression, organism-specific biosystem;
Function	DNA binding; activating transcription factor binding; arachidonic acid binding; drug binding; enzyme binding;

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