Recombinant Human PPARG

Cat. No. PPARG-28671TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-477 of Human PPAR gamma, Predicted MWt 54 kDa.
Species	Human
Source	E.coli
ProteinLength	1-477 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.
Tissue specificity	Highest expression in adipose tissue. Lower in skeletal muscle, spleen, heart and liver. Also detectable in placenta, lung and ovary.
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 20% Glycerol, 50mM Tris acetate, 1mM EDTA, pH

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. 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
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

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	Expression, organism-specific biosystem;
Function	DNA binding; activating transcription factor binding; arachidonic acid binding; drug binding; enzyme binding;

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