

Recombinant Human PPARG, GST-tagged

Cat. No. PPARG-28670TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 204-477 of Human PPAR gamma with proprietary tag, approximately 54kDa.
Species	Human
Source	E.coli
ProteinLength	204-477 a.a.
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>
Tissue specificity	Highest expression in adipose tissue. Lower in skeletal muscle, spleen, heart and liver. Also detectable in placenta, lung and ovary.
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 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
Uniprot ID	P37231
Chromosome Location	3p25
Pathway	Adipogenesis, organism-specific biosystem; Calcineurin-regulated NFAT-dependent

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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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