

## Recombinant Human PPARG, His-tagged

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

### SPECIFICATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	to be ligand dependent.
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 20mM Tris HCl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequence Similarities</b>	Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.

## GENE INFORMATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Uniprot ID</b>	P37231
<b>Chromosome Location</b>	3p25
<b>Pathway</b>	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;
<b>Function</b>	DNA binding; activating transcription factor binding; arachidonic acid binding; drug binding; enzyme binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA