

## Recombinant Human PPARG Protein, His-tagged

**Cat. No.** PPARG-67H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PPARG Protein, His-tagged, expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-505 aa
<b>Description</b>	<p>The peroxisome proliferator activated receptors (PPARs) are ligandactivated transcription factors within the nuclear receptor superfamily, which play important roles in adipogenesis, glucose homeostasis and inflammation. Three different isoforms can be distinguished; alpha, beta and gamma. PPAR<math>\alpha</math>, is mainly expressed in adipose tissue and to lesser extent in colon, the immune system and the retina. Whereas PPAR<math>\beta</math> operates in the catabolism of fatty acids in the liver, PPAR<math>\gamma</math> influences the storage of fatty acids in the adipose tissue and plays a role in adipocyte differentiation. PPAR<math>\gamma</math> binds to DNA as a heterodimer with retinoid X receptor (RXR), activating expression of target genes after binding ligand.</p>
<b>Tag</b>	His
<b>Form</b>	Sterile Filtered clear solution
<b>Molecular Mass</b>	59.2 kDa
<b>Purity</b>	> 90.0% as determined by SDS-PAGE

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<b>Stability</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.
<b>Usage</b>	The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
<b>Storage Buffer</b>	The protein solution contains 20mM Tris-HCl and 50% glycerol

## GENE INFORMATION

<b>Gene Name</b>	PPARG peroxisome proliferator activated receptor gamma [ Homo sapiens (human) ]
<b>Official Symbol</b>	PPARG
<b>Synonyms</b>	Peroxisome proliferator-activated receptor gamma, PPAR-gamma, PPARG, NR1C3, PPARG1, PPARG2
<b>Gene ID</b>	5468
<b>MIM</b>	601487
<b>UniProt ID</b>	P37231

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