

Recombinant Full Length Mouse Pparg Protein, Myc/DDK-tagged

Cat. No. Pparg-5030M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length peroxisome proliferator activated receptor gamma (Pparg), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a nuclear receptor protein belonging to the peroxisome proliferator-activated receptor (Ppar) family. The encoded protein is a ligand-activated transcription factor that is involved in the regulation of adipocyte differentiation and glucose homeostasis. The encoded protein forms a heterodimer with retinoid X receptors and binds to DNA motifs termed "peroxisome proliferator response elements" to either activate or inhibit gene expression. Mice lacking the encoded protein die at an embryonic stage due to severe defects in placental vascularization. When the embryos lacking this gene are supplemented with healthy placentas, the mutants survive to term, but succumb to lipodystrophy and multiple hemorrhages. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	58 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

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handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade after receiving vials.

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Pparg peroxisome proliferator activated receptor gamma [Mus musculus (house mouse)]

Official Symbol Pparg

Synonyms PPARG; peroxisome proliferator activated receptor gamma; peroxisome proliferator-activated receptor gamma; nuclear receptor subfamily 1 group C member 3; peroxisome proliferator activated receptor gamma 2; peroxisome proliferator activated receptor gamma 4; Nr1c3; PPARgamma; PPAR-gamma; PPARgamma2; PPAR-gamma2

Gene ID 19016

mRNA Refseq NM_011146

Protein Refseq NP_035276

UniProt ID P37238

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