

Recombinant Mouse Pparg Protein, His-tagged

Cat. No. Pparg-1961M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pparg Protein (Lys347-Glu488) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Lys347-Glu488
Description	<p>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.</p>
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.5 kDa Accurate Molecular Mass: 18 kDa

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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;

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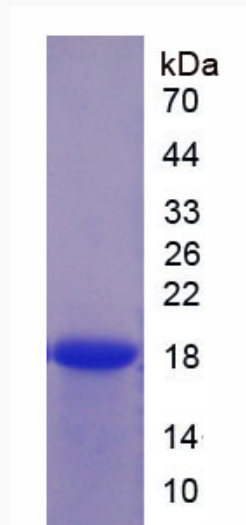
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Gene ID 19016

mRNA Refseq NM_001127330

Protein Refseq NP_001120802

UniProt ID P37238



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