

Recombinant Mouse Ppargc1a Protein, His-tagged

Cat. No. Ppargc1a-1962M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ppargc1a Protein (Glu349-Arg797) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Glu349-Arg797
Description	This gene encodes a transcriptional coactivator that induces and coordinates gene expression regulating mitochondrial biogenesis, respiration, hepatic gluconeogenesis, thermogenic program in brown fat and muscle fiber-type switching. Mice lacking the encoded protein exhibit reduced thermogenic capacity, hyperactivity and resistance to diet-induced obesity. Mice lacking the encoded protein specifically in the heart exhibit peripartum cardiomyopathy. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 56.4 kDa Accurate Molecular Mass: 56 kDa
Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 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	Ppargc1a peroxisome proliferative activated receptor, gamma, coactivator 1 alpha [Mus musculus (house mouse)]
Official Symbol	Ppargc1a
Synonyms	PPARGC1A; peroxisome proliferative activated receptor, gamma, coactivator 1 alpha; peroxisome proliferator-activated receptor gamma coactivator 1-alpha; PGC-1-alpha; Pgc-1alphaa; PPARGC-1-alpha; PPAR Gamma Coactivator-1; PPAR-gamma coactivator 1-alpha; PPAR gamma coactivator variant form; Pgc1; PGC-1; Pgco1; PGC-1v; Gm11133; Ppargc1; Pgc-1alpha; A830037N07Rik; ENSMUSG00000079510;
Gene ID	19017
mRNA Refseq	NM_008904

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Protein Refseq NP_032930

UniProt ID O70343



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