

Recombinant Human PPARGC1A Protein, His-tagged

Cat. No. PPARGC1A-729H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPARGC1A(Ser573~Asn767) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser573~Asn767
Description	The protein encoded by this gene is a transcriptional coactivator that regulates the genes involved in energy metabolism. This protein interacts with PPARGgamma, which permits the interaction of this protein with multiple transcription factors. This protein can interact with, and regulate the activities of, cAMP response element binding protein (CREB) and nuclear respiratory factors (NRFs). It provides a direct link between external physiological stimuli and the regulation of mitochondrial biogenesis, and is a major factor that regulates muscle fiber type determination. This protein may be also involved in controlling blood pressure, regulating cellular cholesterol homoeostasis, and the development of obesity.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	25.4kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 98%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
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.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	PPARGC1A peroxisome proliferator-activated receptor gamma, coactivator 1 alpha [Homo sapiens]
Official Symbol	PPARGC1A
Synonyms	PPARGC1A; peroxisome proliferator-activated receptor gamma, coactivator 1 alpha; peroxisome proliferative activated receptor, gamma, coactivator 1 , peroxisome proliferative activated receptor, gamma, coactivator 1, alpha , PPARGC1; peroxisome proliferator-activated receptor gamma coactivator 1-alpha; PGC1; PGC1A; PGC-1-alpha; L-PGC-1alpha; PPARGC-1-alpha; ligand effect modulator-6; PPAR gamma coactivator variant form; LEM6; PGC-1v; PPARGC1; PGC-1(alpha);
Gene ID	10891

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mRNA Refseq	NM_013261
Protein Refseq	NP_037393
MIM	604517
UniProt ID	Q9UBK2

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