

Recombinant Mouse Pcca Protein, His&GST-tagged

Cat. No. Pcca-1902M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pcca Protein (Asn593-Glu724) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Asn593-Glu724
Description	Enables propionyl-CoA carboxylase activity. Predicted to act upstream of or within lipid catabolic process. Located in mitochondrion. Is expressed in several structures, including alimentary system; nervous system; orbito-sphenoid; sensory organ; and urinary system. Used to study propionic acidemia. Human ortholog(s) of this gene implicated in amino acid metabolic disorder and propionic acidemia. Orthologous to human PCCA (propionyl-CoA carboxylase subunit alpha).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 44 kDa Accurate Molecular Mass: 44 kDa
Purity	> 90%
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 PBS or others.

GENE INFORMATION

Gene Name	Pcca propionyl-Coenzyme A carboxylase, alpha polypeptide [Mus musculus (house mouse)]
Official Symbol	Pcca
Synonyms	PCCA; propionyl-Coenzyme A carboxylase, alpha polypeptide; propionyl-CoA carboxylase alpha chain, mitochondrial; PCCase subunit alpha; propionyl CoA-carboxylase alpha; propanoyl-CoA:carbon dioxide ligase subunit alpha; C79630;
Gene ID	110821
mRNA Refseq	NM_144844
Protein Refseq	NP_659093
UniProt ID	Q91ZA3

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