

## Recombinant Mouse Pcca Protein, His&GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Pcca Protein (Asn593-Glu724) with N-His&GST tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asn593-Glu724
<b>Description</b>	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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 44 kDa Accurate Molecular Mass: 44 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Pcca propionyl-Coenzyme A carboxylase, alpha polypeptide [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Pcca</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">110821</a>
<b>mRNA Refseq</b>	<a href="#">NM_144844</a>
<b>Protein Refseq</b>	<a href="#">NP_659093</a>
<b>UniProt ID</b>	<a href="#">Q91ZA3</a>

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