

Recombinant Human PCCB Protein, His-tagged

Cat. No. PCCB-2553H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PCCB Protein (Glu309-His534) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu309-His534
Description	The protein encoded by this gene is a subunit of the propionyl-CoA carboxylase (PCC) enzyme, which is involved in the catabolism of propionyl-CoA. PCC is a mitochondrial enzyme that probably acts as a dodecamer of six alpha subunits and six beta subunits. This gene encodes the beta subunit of PCC. Defects in this gene are a cause of propionic acidemia type II (PA-2). Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.5 kDa Accurate Molecular Mass: 27 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	PCCB propionyl CoA carboxylase, beta polypeptide [Homo sapiens (human)]
Official Symbol	PCCB
Synonyms	PCCB; propionyl CoA carboxylase, beta polypeptide; propionyl Coenzyme A carboxylase, beta polypeptide; propionyl-CoA carboxylase beta chain, mitochondrial; PCCase subunit beta; propanoyl-CoA:carbon dioxide ligase subunit beta; DKFZp451E113;
Gene ID	5096
mRNA Refseq	NM_000532
Protein Refseq	NP_000523

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MIM	232050
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UniProt ID	P05166
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