

Recombinant Human PCCA Protein, C-MYC/DDK-tagged

Cat. No. PCCA-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human propionyl Coenzyme A carboxylase, alpha polypeptide (PCCA), nuclear gene encoding mitochondrial protein, transcript variant 1, with C-MYC/DDK tag, was expressed in HEK293 cell.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is the alpha subunit of the heterodimeric mitochondrial enzyme Propionyl-CoA carboxylase. PCCA encodes the biotin-binding region of this enzyme. Mutations in either PCCA or PCCB (encoding the beta subunit) lead to an enzyme deficiency resulting in propionic acidemia. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	75 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method.
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	PCCA
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Official Symbol	PCCA propionyl-CoA carboxylase alpha subunit [Homo sapiens (human)]
Synonyms	PCCA; propionyl-CoA carboxylase alpha subunit; PCCase alpha subunit; Propionyl Coenzyme A carboxylase alpha polypeptide; propanoyl-CoA:carbon dioxide ligase alpha subunit; propionyl-CoA carboxylase alpha chain, mitochondrial; propionyl-coenzyme A carboxylase, alpha polypeptide; propionyl-CoA carboxylase alpha chain, mitochondrial; PCCase alpha subunit; pccA complementation group; propanoyl-CoA:carbon dioxide ligase alpha subunit; propionyl CoA carboxylase, alpha polypeptide; propionyl Coenzyme A carboxylase, alpha polypeptide; EC 6.4.1.3
Gene ID	5095
mRNA Refseq	NM_000282
Protein Refseq	NP_000273
MIM	232000
UniProt ID	P05165