



Recombinant Human Propionyl-CoA carboxylase alpha chain, mitochondrial (PCCA)

Product Code	CSB-EP017522HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P05165
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	SVGYDPNE KTFDKILVAN RGEIACRVIR TCKKMGIKTV AIHSDVDASS VHVKMADEAV CVGPAPTSKS YLNMDAIMEA IKKTRAQAVH PGYGFLSENK EFARCLAAED VVFIGPDTHA IQAMGDKIES KLLAKKAEVN TIPGFDGVVK DAEEAVRIAR EIGYPVMIKA SAGGGGKGMR IAWDDEETRD GFRLSSQEAA SSFGDDRLLI EKFDNPRHI EIQVLGDKHG NALWLNEREC SIQRRNQKVV EEAPSIFLDA ETRRAMGEQA VALARAVKYS SAGTVEFLVD SKKNFYFLEM NTRLQVEHPV TECITGLDLV QEMIRVAKGY PLRHKQADIR INGWAVECRV YAEDPYKSFG LPSIGRLSQY QEPLHLPGVR VDSGIQPGSD ISIIYDPMIS KLITYGSDRT EALKRMADAL DNYVIRGVTH NIALLEVII NSRFVKGDIS TKFLSDVYPD GFKGHMLTKS EKNQLLAIAS SLFVAFQLRA QHFQENSRMP VIKPDIANWE LSVKLHDKVH TVVASNNGSV FSVEVDGSKL NVTSTWNLAS PLLSVSVDGT QRTVQCLSRE AGGNMSIQFL GTVYKVNILT RLAAELNKFM LEKVTEDTSS VLRSPMPGVV VAVSVKPGDA VAEGQEICVI EAMKMQNSMT AGKTGTVKSV HCQAGDTVGE GDLLVELE
Source	E.coli
Target Names	PCCA
Protein Names	Recommended name: Propionyl-CoA carboxylase alpha chain, mitochondrial Short name= PCCase subunit alpha EC= 6.4.1.3 Alternative name(s): Propanoyl-CoA:carbon dioxide ligase subunit alpha
Expression Region	53-728
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein 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. Two transcript variants encoding different isoforms have been found for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.