



# Recombinant Human Propionyl-CoA carboxylase beta chain, mitochondrial (PCCB)

<b>Product Code</b>	CSB-EP017523HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P05166
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	CS QATSVNERIE NKRRTALLGG GQRRIDAQHK RGKLTARERI SLLLDPGSFV ESDMFVEHRC ADFGMAADKN KFPGDSVVTG RGRINGRLVY VFSQDFTVFG GSLSGAHAQK ICKIMDQAIT VGAPVIGLND SGGARIQEGV ESLAGYADIF LRNVASGVI PQISLIMGPC AGGAVYSPAL TDFTFMVKDT SYLFITGPDV VKSVTNEEDVT QEELGGAKTH TTMSGVAHRA FENDVDALCN LRDFFNYLPL SSQDPAPVRE CHDPSDRLVP ELDTIVPLES TKAYNMVDII HSVVDEREFF EIMPNYAKNI IVGFARMNGR TVGIVGNQPK VASGCLDINS SVKGARFVRF CDAFNIPLIT FVDVPGFLPG TAQEYGGIIR HGAKLLYAFA EATVPKVTVI TRKAYGGAYD VMSSKHLCDG TNYAWPTAEI AVMGAKGAVE IIFKGHENVE AAQAEYIEKF ANPFPAAVRG FVDDIIQPSS TRARICCDLD VLASKKVQRP WRKHANIPL
<b>Source</b>	E.coli
<b>Target Names</b>	PCCB
<b>Protein Names</b>	Recommended name: Propionyl-CoA carboxylase beta chain, mitochondrial Short name= PCCase subunit beta EC= 6.4.1.3 Alternative name(s): Propanoyl-CoA:carbon dioxide ligase subunit beta
<b>Expression Region</b>	29-539
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein 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).
<b>Reconstitution</b>	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.