



# Recombinant Bovine Ferrochelatase, mitochondrial (FECH)

<b>Product Code</b>	CSB-YP008579BO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P22600
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Bos taurus (Bovine)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SPK PQAQPGNRKP RTGILMLNMG GPETVEEVQD FLQRLFLDQD LMTLPVQDKL GPFIKRRTTP KIQEQYRRIG GGSPIKMWTS KQGEGMVKLL DELSPTAPH KYIYIFRYVH PLTEEAIEEM ERDGLERAVA FTQYPQYSCS TTGSSLNAIY RYYNEVGRKP TMKWSTIDRW PTHPLLIQCF ADHILKELDH FPPEKRREVV ILFSAHSLPM SVVNRGDPYP QEVGATVQRV MDKLGYSNPY RLVWQSKVGP MPWLGPQTDE AIKGLCKRGR KNILLVPIAF TSDHIETLYE LDIEYSQVLA SECLENIRR AESLNGNPLF SKALADLVHS HLQSKERCST QLTLSCPLCV NPTCRETKSF FTSQQQL
<b>Source</b>	Yeast
<b>Target Names</b>	FECH
<b>Protein Names</b>	Recommended name: Ferrochelatase, mitochondrial EC= 4.99.1.1 Alternative name(s): Heme synthase Protoheme ferro-lyase
<b>Expression Region</b>	48-416
<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 localized to the mitochondrion, where it catalyzes the insertion of the ferrous form of iron into protoporphyrin IX in the heme synthesis pathway. Mutations in this gene are associated with erythropoietic protoporphyria. Two transcript variants encoding different isoforms have been found for this gene.
<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.
<b>Shelf Life</b>	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.