



Recombinant Human Ferrochelatase, mitochondrial (FECH)

Product Code	CSB-EP008579HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P22830
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	GAKPQV QPQKRKPKTG ILMLNMGGPE TLGDVHDFLL RLFLDRDLMT LPIQNKLPF IAKRRTPKIQ EQYRRIGGGG PIKIWTSKQG EGMVKLLDEL SPNTAPHKYY IGFYVHPLT EEAIEEMERD GLERIAFTQ YPQYSCSTTG SSLNAIYRY Y NQVGRKPTMK WSTIDRWPTH HLLIQCFADH ILKELDFHPL EKRSEVVILF SAHSLPMSVV NRGDPYPQEV SATVQKVMER LEYCNPYRLV WQSKVGPMPW LGPQTDESIK GLCERGRKNI LLVPIAFTSD HIETLYELDI EYSQVLAKEC GVENIRRAES LNGNPLFSKA LADLVHSHIQ SNELC SKQLT LSCPLCVNPV CRETKSFFTS QQL
Source	E.coli
Target Names	FECH
Protein Names	Recommended name: Ferrochelatase, mitochondrial EC= 4.99.1.1 Alternative name(s): Heme synthase Protoheme ferro-lyase
Expression Region	55-423
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 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.
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.