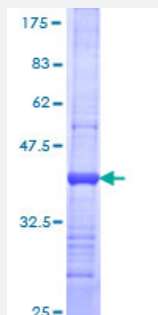


FECH (Human) Recombinant Protein (Q01)

Catalog # H00002235-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human FECH partial ORF (NP_000131, 314 a.a. - 423 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QTDESIKGLCERGRKNILLVPIAFTSDHIETLYELDIEYSQVLAKECGVENIRRAESLNGNPLFSKALA DLVHSHIQSNELCSKQLTLSCPLCVNPVCRETKSFFTSQQQL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (92); Rat (93)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FECH

Entrez GeneID [2235](#)

GeneBank Accession# [NM_000140](#)

Protein Accession# [NP_000131](#)

Gene Name FECH

Gene Alias EPP, FCE

Gene Description ferrochelatase (protoporphyrin)

Omim ID [177000](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene 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. [provided by RefSeq]

Other Designations ferrochelatase|heme synthetase|protoheme ferro-lyase

Pathway

- [Metabolic pathways](#)
- [Porphyrin and chlorophyll metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Porphyria](#)
- [Protoporphyria](#)
- [Tobacco Use Disorder](#)