

Recombinant Full Length Human FECH Protein, GST-tagged

Cat. No. FECH-4778HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human FECH full-length ORF (NP_000131, 1 a.a. - 423 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 423 amino acids

Description 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]

Molecular Mass 72.16 kDa

AA Sequence

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MRSLGANMAAALRAAGVLLRDPLASSSWRVCQPWRWKSGAAAAAVTTETAQHAQ
GAKPQVQPQKRKPKTGILMLNMGGPETLGDVHDFLLRFLDQDLMTLPIQNKLAPFI
AKRRTPKIQEQYRRIGGGSPIKIWTSKQGEQGMVKLLDELSPNTAPHKYYIGFRYVHPL
TEEAIEEMERDGLERAI AFTQYPQYSCSTT GSSLNAIYRYYNQVGRKPTMKWSTIDR
WPTHLLIQCFADHILKELDHFPLEKRSEVVILFSAHSLPMSVVNRGDPYPQEVSATV
QKVMERLEYCNPYRLVWQSKVGPMPWLG PQTDESIGLGCERGRKNILLVPIAFTSD
HIETLYELDIEYSQVLAKECGVENIRRAESLNGNPLFSKALADLVHSHIQSNELCSKQL
TLSCPLCVNPVCRETKSFFTSQQL
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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	FECH ferrochelatase [Homo sapiens]
Official Symbol	FECH
Synonyms	FECH; ferrochelatase; ferrochelatase (protoporphyrin); ferrochelatase, mitochondrial; protoporphyrin; heme synthase; heme synthetase; protoheme ferro-lyase; EPP; FCE;
Gene ID	2235
mRNA Refseq	NM_000140
Protein Refseq	NP_000131
MIM	612386
UniProt ID	P22830

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