

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	MRSLGANMAAALRAAGVLLRDPLASSSWRVCQPWRWKSGAAAAAVTTETAQHAQ GAKPQVQPQKRKPKTGILMLNMGGPETLGDVHDFLLRLFLDQDLMTLPIQNKLAPFI AKRRTPKIQEQYRRIGGGSPIKIWTSKQGEQGMVKLLDELSPNTAPHKYYIGFRYVHPL TEEAIEEMERDGLERAIAFTQYPQYSCSTTGSSLNAIYRYYNQVGRKPTMKWSTIDR WPTHLLLIQCFADHILKELDHFPLEKRSEVVILFSAHSLPMSVVNRGDPYPQEVSATV QKVMERLEYCNPYRLVWQSKVGPMPWLGPQTDESIKGLCERGRKNILLVPIAFTSD 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 (protoporphyria); ferrochelatase, mitochondrial; protoporphyria; 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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