

Recombinant Full Length Human FECH Protein, C-Flag-tagged

Cat. No. FECH-1762HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human FECH Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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. A pseudogene of this gene is found on chromosome 3.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	42.1 kDa
AA Sequence	<p>MRSLGANMAAALRAAGVLLRDPLASSSWRVCQPWRWKSGAAAAAVTTETAQHAQ</p> <p>GAKPQVQPQKRKPKTG ILMNMGGPETLGDVHDFLLRLFLDRDLMTLPIQNKLAPFI</p> <p>AKRRTPKIQEQYRRIGGGSPIKIWTSKQG EGMVKLLDELSPNTAPHKYYIGFRYVHP</p> <p>LTEEAIEEMERDGLERAIAFTQYPQYSCSTTGSSLNAIYRYY NQVGRKPTMKWSTID</p> <p>RWPTHLLLIQCFADHILKELDHFPLEKRSEVVILFSAHSLPMSVVNRGDPYPQEV SA</p> <p>TVQKVMERLEYCNPYRLVWQSKVGPMPWLGPQTDESIKGLCERGRKNILLVPIAFT</p> <p>SDHIETLYELDI EYSQVLAKECGVENIRRAESLNGNPLFSKALADLVHSHIQSNELCS</p> <p>KQLTLSCPLCVNPVCRETKSFFTS QQL TRTRPLEQKLISEEDLAANDILDYKDDDDK</p>

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Metabolic pathways, Porphyrin and chlorophyll metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	FECH ferrochelatase [Homo sapiens (human)]
Official Symbol	FECH
Synonyms	EPP; FCE; EPP1
Gene ID	2235
mRNA Refseq	NM_000140.5

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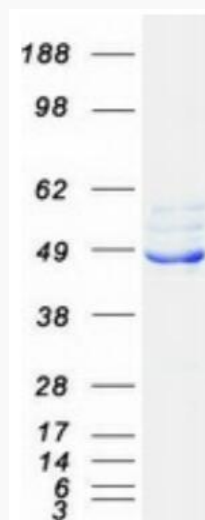
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Protein Refseq NP_000131.2

MIM 612386

UniProt ID P22830



Coomassie blue staining of purified FECH protein.

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