

## Product datasheet for **TP315223**

### FECH (NM\_001012515) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens ferrochelatase (protoporphyrin) (FECH), nuclear gene encoding mitochondrial protein, transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215223 representing NM_001012515 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<pre>M R S L G A N M A A A L R A A G V L L R D P L A S S S W R V C Q P W R W K S G A A A A V T T E T A Q H A Q G A K P Q V Q P Q K R Y E S N I R K P K T G I L M L N M G G P E T L G D V H D F L L R L F L D R D L M T L P I Q N K L A P F I A K R R T P K I Q E Q Y R R I G G G S P I K I W T S K Q G E G M V K L L D E L S P N T A P H K Y Y I G F R Y V H P L T E E A I E E M E R D G L E R A I A F T Q Y P Q Y S C S T T G S S L N A I Y R Y N Q V G R K P T M K W S T I D R W P T H H L L I Q C F A D H I L K E L D H F P L E K R S E V I L F S A H S L P M S V V N R G D P Y P Q E V S A T V Q K V M E R L E Y C N P Y R L V W Q S K V G P M P W L G P Q T D E S I K G L C E R G R K N I L L V P I A F T S D H I E T L Y E L D I E Y S Q V L A K E C G V E N I R R A E S L N G N P L F S K A L A D L V H S H I Q S N E L C S K Q L T L S C P L C V N P V C R E T K S F F T S Q Q L</pre>
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	42.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_001012533](#)

Locus ID: 2235

UniProt ID: [P22830](#), [Q7KZA3](#)

RefSeq Size: 3835

Cytogenetics: 18q21.31

RefSeq ORF: 1287

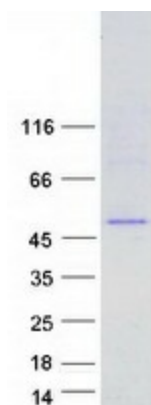
Synonyms: EPP; EPP1; FCE

**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. A pseudogene of this gene is found on chromosome 3.[provided by RefSeq, May 2010]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Porphyrin and chlorophyll metabolism

### Product images:



Coomassie blue staining of purified FECH protein (Cat# TP315223). The protein was produced from HEK293T cells transfected with FECH cDNA clone (Cat# [RC215223]) using MegaTran 2.0 (Cat# [TT210002]).