

Product datasheet for TP308058M

FECH (NM_000140) Human Recombinant Protein

Product data:

OriGene Technologies, Inc.

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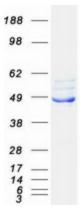
| Product Type: | Recombinant Proteins |
|---|---|
| Description: | Recombinant protein of human ferrochelatase (protoporphyria) (FECH), nuclear gene encoding mitochondrial protein, transcript variant 2, 100 μg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC208058 protein sequence <mark>Red</mark> =Cloning site Green=Tags(s) |
| | MRSLGANMAAALRAAGVLLRDPLASSSWRVCQPWRWKSGAAAAAVTTETAQHAQGAKPQVQPQKRKPKTG ILMLNMGGPETLGDVHDFLLRLFLDRDLMTLPIQNKLAPFIAKRRTPKIQEQYRRIGGGSPIKIWTSKQG EGMVKLLDELSPNTAPHKYYIGFRYVHPLTEEAIEEMERDGLERAIAFTQYPQYSCSTTGSSLNAIYRYY NQVGRKPTMKWSTIDRWPTHHLLIQCFADHILKELDHFPLEKRSEVVILFSAHSLPMSVVNRGDPYPQEV SATVQKVMERLEYCNPYRLVWQSKVGPMPWLGPQTDESIKGLCERGRKNILLVPIAFTSDHIETLYELDI EYSQVLAKECGVENIRRAESLNGNPLFSKALADLVHSHIQSNELCSKQLTLSCPLCVNPVCRETKSFFTS QQL |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 42.1 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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| | FECH (NM_000140) Human Recombinant Protein – TP308058M |
|-------------------|---|
| RefSeq: | <u>NP 000131</u> |
| Locus ID: | 2235 |
| UniProt ID: | <u>P22830, Q7KZA3</u> |
| RefSeq Size: | 7277 |
| Cytogenetics: | 18q21.31 |
| RefSeq ORF: | 1269 |
| 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 Pathway | s: Metabolic pathways, Porphyrin and chlorophyll metabolism |

Product images:



Coomassie blue staining of purified FECH protein (Cat# [TP308058]). The protein was produced from HEK293T cells transfected with FECH cDNA clone (Cat# [RC208058]) using MegaTran 2.0 (Cat# [TT210002]).

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