

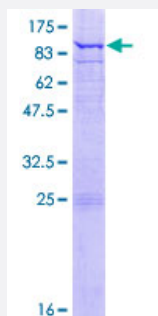
Full-Length

ETFDH (Human) Recombinant Protein (P01)

Catalog # H00002110-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ETFDH full-length ORF (AAH11890.1, 1 a.a. - 617 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLVPLAKLSCLAYQCFHALKIKKNYLPLCAIRWSSTSTVPRITTHYTIYPRDKDKRWEGVNMERFAE
EADVVMGAGPAGLSAAVRLKQLAVAHEKDIRVCLVEKAAQIGAHTLSGACLDPGAFKELFPDWK
EKGAPLNTPVTEDRFGILTEKYRIPVPILPGLPMNNHGNYVRLGHLVSWMGEQAEALGVEVYPGY
AAAEVLFHDDGSVKGIATNDVGIQKDGAPKATFERGLELHAKVTIFAEGCHGHLAKQLYKKFDLR
ANCEPQTYGIGLKELWVIDEKNWKPGRVDHTVGWPLDRHTYGGSFYHLNEGEPLVALGLVVGL
DYQNPYLSPFREFQRWKHHPSIRPTLEGGKRIAYGARALNEGFGQSIPKLTFPGLLIGCSPGFMN
VPKIKGHTAMKSGILAAESIFNQLTSENLSQSKTIGLHVTEYEDNLKNSVWVKELYSVRNIRPSCHG
VLGVYGGMIYTGIFYWILRGMEPWTLKHKGSDFERLKPDKCTPIEYKPDGQISFDLLSSVALSGT
NHEHDQPAHLTLRDDSIPVNRNLSYDGPEQRFCPAGVYEFVPVEQGDGFRLQINQNCVHCKTC
DIKDPSQNNWVPEGGGGPAYNGM

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

94.9

Interspecies Antigen Sequence

Mouse (92); Rat (93)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ETFDH

Entrez GeneID	2110
GeneBank Accession#	BC011890.1
Protein Accession#	AAH11890.1
Gene Name	ETFDH
Gene Alias	ETFQO, MADD
Gene Description	electron-transferring-flavoprotein dehydrogenase
Omim ID	231675 231680
Gene Ontology	Hyperlink
Gene Summary	Electron-transferring-flavoprotein dehydrogenase in the inner mitochondrial membrane accepts electrons from electron-transfer flavoprotein which is located in the mitochondrial matrix and reduces ubiquinone in the mitochondrial membrane. The protein is synthesized as a 67-kDa precursor which is targeted to mitochondria and processed in a single step to a 64-kDa mature form located in the mitochondrial membrane. Deficiency in electron-transferring-flavoprotein dehydrogenase have been demonstrated in some patients with type II glutaricacidemia. [provided by RefSeq]
Other Designations	ETF-ubiquinone oxidoreductase Electron transfer flavoprotein:ubiquinone oxidoreductase electron transfer flavoprotein ubiquinone oxidoreductase

Disease

- [Lipid Metabolism Disorders](#)
- [Muscular Diseases](#)