

Recombinant Full Length Human ETFDH Protein, GST-tagged

Cat. No. ETFDH-4739HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ETFDH full-length ORF (AAH11890.1, 1 a.a. - 617 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	617 amino acids
Description	This gene encodes a component of the electron-transfer system in mitochondria and is essential for electron transfer from a number of mitochondrial flavin-containing dehydrogenases to the main respiratory chain. Mutations in this gene are associated with glutaric acidemia. Alternatively spliced transcript variants that encode distinct isoforms have been observed. [provided by RefSeq, Aug 2013]
Molecular Mass	94.9 kDa
AA Sequence	MLVPLAKLSCLAYQCFHALKIKKNYLPLCAIRWSSTSTVPRITTHYTIYPRDKDKRWE GVNMERFAEEADVIVGAGPAGLSAAVRLKQLAVAHEKDIRVCLVEKAAQIGAHTLS GACLDPGAFKELFPDWKEKGAPLNTPTVEDRFGILTEKYRIPVPILPGLPMNNHGNVI VRLGHLVSWMGEQAEALGVEVYPGYAAAEVLFHDDGSVKGIATNDVGIQKDGAPKA TFERGLELHAKVTIFAEGCHGHLAKQLYKKFDLRANCEPQTYGIGLKELWVIDEKNW KPGRVDHTVGWPLDRHTYGGSFYHLNEGEPLVALGLVGLDYQNPYLSPFREFQ RWKHHPSIRPTLEGGKRIAYGARALNEGGFQSIPKLTFPGLLIGCSPGFMNVPKIK GHTAMKSGILAAESIFNQLTSENLSQSKTIGLHVTEYEDNLKNSWWKELYSVRNIRP

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SCHGVLGVYGGMIYTGIFYWILRGMEPWTLKHKGSDFERLKPAKDCTPIEYKPDG
 QISFDLLSSVALSGTNHEHDQPAHLTLRDDSIPVNRNLSIYDGPEQRFCPAGVYEFV
 PVEQGDGFRLQINAQNCVHCKTCDIKDPSQNINWVVPEGGGGPAYNGM

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

ETFDH electron-transferring-flavoprotein dehydrogenase [Homo sapiens]

Official Symbol

ETFDH

Synonyms

ETFDH; electron-transferring-flavoprotein dehydrogenase; electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial; ETFQO; ETF-QO; ETF dehydrogenase; ETF-ubiquinone oxidoreductase; electron transfer flavoprotein ubiquinone oxidoreductase; MADD;

Gene ID

2110

mRNA Refseq

NM_004453

Protein Refseq

NP_004444

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MIM	231675
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UniProt ID	Q16134
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