Recombinant Full Length Human ETFA Protein, GST-tagged

Cat. No. ETFA-4732HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ETFA full-length ORF (AAH15526, 1 a.a. - 333 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	333 amino acids
Description	ETFA participates in catalyzing the initial step of the mitochondrial fatty acid beta-oxidation. It shuttles electrons between primary flavoprotein dehydrogenases and the membrane-bound electron transfer flavoprotein ubiquinone oxidoreductase. Defects in electron-transfer-flavoprotein have been implicated in type II glutaricaciduria in which multiple acyl-CoA dehydrogenase deficiencies result in large excretion of glutaric, lactic, ethylmalonic, butyric, isobutyric, 2-methyl-butyric, and isovaleric acids. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Molecular Mass	62.37 kDa
AA Sequence	MFRAAAPGQLRRAASLLRFQSTLVIAEHANDSLAPITLNTITAATRLGGEVSCLVAGT KCDKVAQDLCKVAGIAKVLVAQHDVYKGLLPEELTPLILATQKQFNYTHICAGASAFG KNLLPRVAAKLEVAPISDIIAIKSPDTFVRTIYAGNALCTVKCDEKVKVFSVRGTSFDA AATSGGSASSEKASSTSPVEISEWLDQKLTKSDRPELTGAKVVVSGGRGLKSGENF KLLYDLADQLHAAVGASRAAVDAGFVPNDMQVGQTGKIVAPELYIAVGISGAIQHLA

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	GMKDSKTIVAINKDPEAPIFQVADYGIVADLFKVVPEMTEILKKK
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	ETFA electron-transfer-flavoprotein, alpha polypeptide [Homo sapiens]
Official Symbol	ETFA
Synonyms	ETFA; electron-transfer-flavoprotein, alpha polypeptide; electron transfer flavoprotein subunit alpha, mitochondrial; EMA; GA2; glutaric aciduria II; MADD; alpha-ETF; electron transfer flavoprotein alpha-subunit; electron transfer flavoprotein, alpha polypeptide;
Gene ID	2108
mRNA Refseq	NM_000126
Protein Refseq	NP_000117
MIM	608053

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UniProt ID	P13804

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