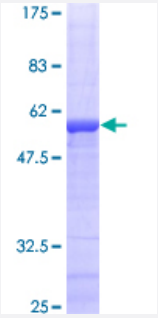
Full-Length

ETFA (Human) Recombinant Protein (P01)

Catalog # H00002108-P01 Size 10 ug, 25 ug

Applications



Specification

Product Description	Human ETFA full-length ORF (AAH15526, 1 a.a. - 333 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MFRAAAPGQLRRAASLLRFQSTLVIAEHANDSLAPITLNTITAATRLGGEVSCLVAGTKCDKVAQD LCKVAGIAKVLVAQHDVYKGLLPEELTPLILATQKQFNYTHICAGASAFGKNLLPRVAAKLEVAPIS DIIAIKSPDTFVRTIYAGNALCTVKCDEKVKVFSVRGTSFDAAATSGGSASSEKASSTSPVEISEWL DQKLTKSDRPELTGAKVVVSGGRGLKSGENFKLLYDLADQLHAAVGASRAAVDAGFVPNDMQV GQTGKIVAPELYIAVGISGAIQHLAGMKDSKTIVAINKDPEAPIFQVADYGIVADLFKVVPEMTEILKK K
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	62.37
Interspecies Antigen Sequence	Mouse (96); Rat (95)
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.

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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 — ETFA

Entrez GeneID	2108
GeneBank Accession#	BC015526
Protein Accession#	AAH15526
Gene Name	ETFA
Gene Alias	EMA, GA2, MADD
Gene Description	electron-transfer-flavoprotein, alpha polypeptide
Omim ID	231680 608053
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	electron transfer flavoprotein alpha-subunit|electron transfer flavoprotein, alpha polypeptide|glutaric aciduria II

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Disease

- Lipid Metabolism Disorders
- Muscular Diseases

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