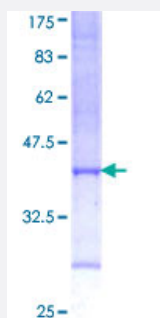


HADHB (Human) Recombinant Protein (Q01)

Catalog # H00003032-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HADHB partial ORF (NP_000174, 4 a.a. - 109 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LTYPFKNLPTASKWALRFSIRPLSCSSQLRAAPAVQTKTKTLAKPNIRNVVVVDGVRTPFLLSGT SYKDLMPHDLARAALTGLLHRTSVPKEVVDYIIFGTVIQE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.4
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 — HADHB

Entrez GeneID	3032
GeneBank Accession#	NM_000183
Protein Accession#	NP_000174
Gene Name	HADHB
Gene Alias	ECHB, MGC87480, MSTP029, TP-BETA
Gene Description	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit
Omim ID	143450
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the beta subunit of the mitochondrial trifunctional protein, which catalyzes the last three steps of mitochondrial beta-oxidation of long chain fatty acids. The mitochondrial membrane-bound heterocomplex is composed of four alpha and four beta subunits, with the beta subunit catalyzing the 3-ketoacyl-CoA thiolase activity. Mutations in this gene result in trifunctional protein deficiency. The encoded protein can also bind RNA and decreases the stability of some mRNAs. The genes of the alpha and beta subunits of the mitochondrial trifunctional protein are located adjacent to each other in the human genome in a head-to-head orientation. Alternatively spliced transcript variants have been found; however, their full-length nature is not known. [provided by RefSeq]
Other Designations	2-enoyl-Coenzyme A (CoA) hydratase, beta subunit 3-ketoacyl-Coenzyme A (CoA) thiolase of mitochondrial trifunctional protein, beta subunit acetyl-CoA acyltransferase beta-ketothiolase hydroxyacyl-Coenzyme A (CoA) dehydrogenase, beta subunit mitochondrial

Pathway

- [Fatty acid elongation in mitochondria](#)

- [Fatty acid metabolism](#)
- [Metabolic pathways](#)
- [Valine](#)