

Recombinant Human HADHB Protein, GST-tagged

Cat. No. HADHB-4555H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human HADHB full-length ORF (NP_000174.1, 1 a.a. - 474 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<p>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]</p>
Molecular Mass	77.7 kDa
AA Sequence	<p>MTILTYPFKNLPTASKWALRFSIRPLSCSSQLRAAPAVQTKTKKTLAKPNIRNVVVVD GVRTPFLLSGTSYKDLMPHDLARAALTGLLHRTSVPKEVVVDYIIFGTVIQEVKTSNVA REALGAGFSDKTPAHTVTMACISANQAMTTGVGLIASGQCDVIVAGGVELMSDVPI RHSRKMRKLMLDLNKAQSMGQRLSLISKFRFNFLAPELPAVSEFSTSETMGHSADR</p>

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LAAFAVSRLEQDEYALRSHSLAKKAQDEGLLSDVVPFKVPGKDTVTKDNGIRPSSL
EQMAKLKPAFIKPYGTVTAANSSFLTDGASAMLIMAEKALAMGYKPKAYLRDFMYV
SQDPKDQLLLGPTYATPKVLEKAGLTMNDIDAFEFHEAFSGQILANFKAMDSDWFAE
NYMGRKTKVGLPPLEKFNNWGGSLSLGHPFGATGCRLVMAAANRLRKEGGQYGL
VAACAAGGQGHAMIVEAYPK

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 -8 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
HADHB hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), beta subunit [Homo sapiens]

Official Symbol
HADHB

Synonyms
HADHB; hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), beta subunit; hydroxyacyl Coenzyme A dehydrogenase/3 ketoacyl Coenzyme A thiolase/enoyl Coenzyme A hydratase (trifunctional protein), beta subunit; trifunctional enzyme subunit beta, mitochondrial; mitochondrial trifunctional protein; beta subunit; MTPB; beta-ketothiolase; acetyl-CoA acyltransferase; 2-enoyl-Coenzyme A (CoA) hydratase, beta subunit; mitochondrial trifunctional enzyme, beta subunit; mitochondrial trifunctional protein, beta subunit;

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hydroxyacyl-Coenzyme A (CoA) dehydrogenase, beta subunit; 3-ketoacyl-Coenzyme A (CoA) thiolase of mitochondrial trifunctional protein, beta subunit; hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit; ECHB; MSTP029; TP-BETA; MGC87480;

Gene ID 3032

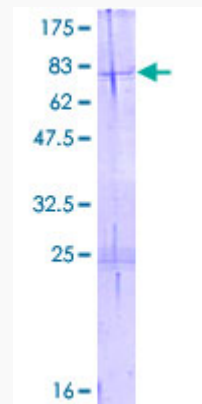
mRNA Refseq NM_000183

Protein Refseq NP_000174


MIM 143450

UniProt ID P55084

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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