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	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
Molecular Mass	77.7 kDa
AA Sequence	MTILTYPFKNLPTASKWALRFSIRPLSCSSQLRAAPAVQTKTKKTLAKPNIRNVVVVD GVRTPFLLSGTSYKDLMPHDLARAALTGLLHRTSVPKEVVDYIIFGTVIQEVKTSNVA REAALGAGFSDKTPAHTVTMACISANQAMTTGVGLIASGQCDVIVAGGVELMSDVPI RHSRKMRKLMLDLNKAKSMGQRLSLISKFRFNFLAPELPAVSEFSTSETMGHSADR

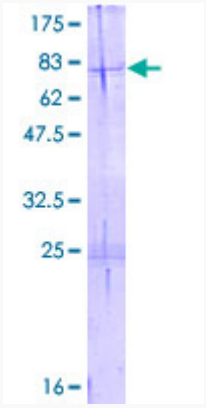
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	LAAAFAVSRLEQDEYALRSHSLAKKAQDEGLLSDVVPFKVPGKDTVTKDNGIRPSSL EQMAKLKPAFIKPYGTVTAANSSFLTDGASAMLIMAEEKALAMGYKPKAYLRDFMYV SQDPKDQLLLGPTYATPKVLEKAGLTMNDIDAFEFHEAFSGQILANFKAMDSDWFAE NYMGRKTKVGLPPLEKFNNWGGSLSLGHPFGATGCRLVMAAANRLRKEGGQYGL VAACAAGGQGHAMIVEAYPK
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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