

Recombinant Full Length Human HADH Protein, C-Flag-tagged

Cat. No. HADH-933HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HADH Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene is a member of the 3-hydroxyacyl-CoA dehydrogenase gene family. The encoded protein functions in the mitochondrial matrix to catalyze the oxidation of straight-chain 3-hydroxyacyl-CoAs as part of the beta-oxidation pathway. Its enzymatic activity is highest with medium-chain-length fatty acids. Mutations in this gene cause one form of familial hyperinsulinemic hypoglycemia. The human genome contains a related pseudogene of this gene on chromosome 15.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	32.8 kDa
AA Sequence	MAFVTRQFMRSVSSSSTASASAKKIIVKHVTVIGGGLMGAGIAQVAAATGHTVVLVD QTEDILAKSKKGI EESLRKVAKKKFAENPKAGDEFVEKTLSTIATSTDAASVVHSTDL VVEAIVENLKVKNELFKRLDKFAAE HTIFASNTSSLQITSIANATTRQDRFAGLHFFNP VPVMKLVEVIKTPMTSQKTFESLVDFSKALGKHPVS CKDTPGFIVNRLLPYLMIAIR LYERGDASKEDIDTAMKLGAGYPMGPFELLDYVGLDTTKFIVDGHM DAENPLHQPSPLNKLVAENKFGKKTGEGFYKYKTRTRPLEQKLISEEDLAANDILDY KDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Butanoate metabolism, Fatty acid elongation in mitochondria, Fatty acid metabolism, Lysine degradation, Metabolic pathways, Tryptophan metabolism, Valine, leucine and isoleucine degradation
Full Length	Full L.

GENE INFORMATION

Gene Name	HADH hydroxyacyl-CoA dehydrogenase [Homo sapiens (human)]
Official Symbol	HADH
Synonyms	HAD; HCDH; HHF4; HADH1; SCHAD; HADHSC; MSCHAD
Gene ID	3033
mRNA Refseq	NM_005327.7
Protein Refseq	NP_005318.6

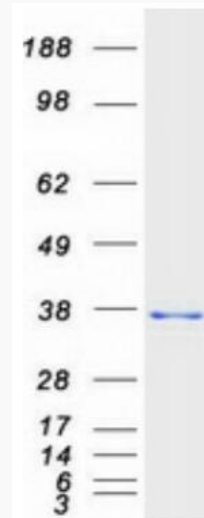
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MIM 601609

UniProt ID Q16836



Coomassie blue staining of purified HADH protein.

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