

# Recombinant Human HADH Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** HADH-6604H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	HADH MS Standard C13 and N15-labeled recombinant protein (NP_005318) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	34.3 kDa
<b>AA Sequence</b>	MAFVTRQFMRSVSSSSTASASAKKIIVKHVTVIGGGLMGAGIAQVAAATGHTVVLVD QTEDILAKSKKGIIEESLRKVAKKKFAENPKAGDEFVEKTLSTIATSTDAASVVHSTDLV VEAIVENLKVKNELFKRLDKFAAEHTIFASNTSSLQITSIANATTRQDRFAGLHFFNPV PVMKLVEVIKTPMTSQKTFESLVDFSKALGKHPVSCKDTPGFIVNRLLPYLMEAIRL YERGDASKEDIDTAMKLGAGYPMGPFELLDYVGLDTTKFIVDGDWHEMDAENPLHQP SPSLNKLVAENKFGKKTGEGFYKYKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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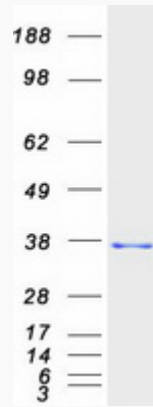
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	HADH hydroxyacyl-CoA dehydrogenase [ Homo sapiens (human) ]
<b>Official Symbol</b>	HADH
<b>Synonyms</b>	HADH; hydroxyacyl-CoA dehydrogenase; HADHSC, hydroxyacyl Coenzyme A dehydrogenase, L 3 hydroxyacyl Coenzyme A dehydrogenase, short chain; hydroxyacyl-coenzyme A dehydrogenase, mitochondrial; HADH1; SCHAD; short-chain 3-hydroxyacyl-CoA dehydrogenase; L-3-hydroxyacyl-Coenzyme A dehydrogenase, short chain; medium and short-chain L-3-hydroxyacyl-coenzyme A dehydrogenase; HAD; HCDH; HHF4; HADHSC; MSCHAD; MGC8392;
<b>Gene ID</b>	3033
<b>mRNA Refseq</b>	NM_005327
<b>Protein Refseq</b>	NP_005318
<b>MIM</b>	601609
<b>UniProt ID</b>	Q16836

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SDS-PAGE



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