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Product datasheet for TP301752L

HADHSC (HADH) (NM_005327) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hydroxyacyl-Coenzyme A dehydrogenase (HADH), nuclear gene encoding mitochondrial protein, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201752 protein sequence Red=Cloning site Green=Tags(s) MAFVTRQFMRSVSSSSTASASAKKIIVKHVTVIGGGLMGAGIAQVAAATGHTVVLVDQTEDILAKSKKGI EESLRKVAKKKFAENPKAGDEFVEKTLSTIATSTDAASVVHSTDLVVEAIVENLKVKNELFKRLDKFAAE HTIFASNTSSLQITSIANATTRQDRFAGLHFFNPVPVMKLVEVIKTPMTSQKTFESLVDFSKALGKHPVS CKDTPGFIVNRLLVPYLMEAIRLYERGDASKEDIDTAMKLGAGYPMGPFELLDYVGLDTTKFIVDGWHEM DAENPLHQPSPSLNKLVAENKFGKKTGEGFYKYK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	32.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005318
Locus ID:	3033

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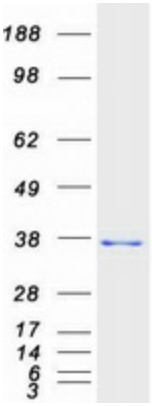
UniProt ID:	Q16836, A0A140VK76
RefSeq Size:	1986
Cytogenetics:	4q25
RefSeq ORF:	942
Synonyms:	HAD; HADH1; HADHSC; HCDH; HHF4; MSCHAD; SCHAD
Summary:	This gene is a member of the 3-hydroxyacyl-CoA dehydrogenase gene family. The encoded protein functions in the mitochondrial matrix to catalyze the oxidation 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. [provided by RefSeq, May 2010]
Protein Pathways:	Butanoate metabolism, Fatty acid elongation in mitochondria, Fatty acid metabolism, Lysine degradation, Metabolic pathways, Tryptophan metabolism, Valine, leucine and isoleucine degradation

Product images:



Coomassie blue staining of purified HADH protein (Cat# [TP301752]). The protein was produced from HEK293T cells transfected with HADH cDNA clone (Cat# [RC201752]) using MegaTran 2.0 (Cat# [TT210002]).