

Product datasheet for PH301752

HADHSC (HADH) (NM_005327) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HADH MS Standard C13 and N15-labeled recombinant protein (NP_005318)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201752
Predicted MW:	34.3 kDa
Protein Sequence:	>RC201752 protein sequence Red=Cloning site Green=Tags(s)

MAFVTRQFMRSVSSSTASASAKKIIVKHVTVIGGGLMGAGIAQVAAATGHTVVLDQTEDILAKSKKGI
EESLRKVAKKKFAENPKAGDEFVEKTLSTIATSTDAASVVHSTDLVVEAIVENLKVKNELFKRLDKFAAE
HTIFASNTSSLQITSIANATTRQDRFAGLHFFNPVPMKLVVEVIKTPMTSQKTFESLVDFSKALGKHPVS
CKDTPGFIVNRLLPYLMFAIRLYERGDASKEDIDTAMKLGAGYPMGPFELLDYVGLDTTKFIVDGWHEM
DAENPLHQPSPLNKLVAENKFGKKTGEGFYKYK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_005318</u>
RefSeq Size:	1986
RefSeq ORF:	942
Synonyms:	HAD; HADH1; HADHSC; HCDH; HHF4; MSCHAD; SCHAD
Locus ID:	3033



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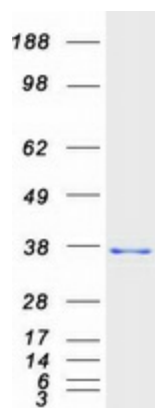
UniProt ID: [Q16836](#), [A0A140VK76](#)

Cytogenetics: 4q25

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]).