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Product datasheet for AR09400PU-N

HADH / HCDH (13-314, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	HADH / HCDH (13-314, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MSSSSTASAS AKKIIVKHVT VIGGGLMGAG IAQVAAATGH TVVLVDQTED ILAKSKKGIE ESLRKVAKKK FAENPKAGDE FVEKTLSTIA TSTDAASVVH STDLVVEAIV ENLKVKNELF KRLDKFAAEH TIFASNTSSL QITSIANATT RQDRFAGLHF FNPVPVMKLV EVIKTPMTSQ KTFESLVDFS KALGKHPVSC KDTPGFIVNR LLVPYLMEAI RLYERGDASK EDIDTAMKLG AGYPMGPFEL LDYVGLDTTK FIVDGWHEMD AENPLHQPSP SLNKLVAENK FGKKTGEGFY KYK
Tag:	His-tag
Predicted MW:	35.1 kDa
Concentration:	lot specific
Purity:	>95% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1 M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant HADH protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001171634
Locus ID:	3033
UniProt ID:	Q16836
Cytogenetics:	4q25
Synonyms:	HAD; HADH1; HADHSC; HCDH; HHF4; MSCHAD; SCHAD

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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: