

HADH recombinant protein

HADH, 13-314aa, Human, His tag, E Coli

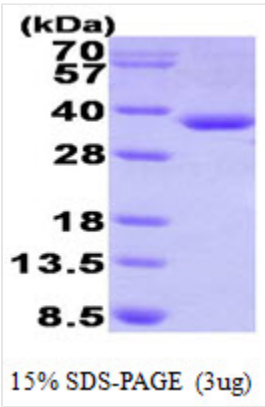
CATALOG # AAA48601	HOST E Coli	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

HADH; 13-314aa; Human; His tag; E Coli; Hydroxyacyl-coenzyme A dehydrogenase mitochondrial; HAD; HADH1; HHF4; M/SCHAD; SCHAD; Hydroxyacyl-coenzyme A dehydrogenase; mitochondrial Hydroxyacyl Coenzyme A dehydrogenase type II; Mitochondrial L3 Hydroxyacyl CoA Dehydrogenase; 17 beta hydroxysteroid dehydrogenase 10; 17 beta hydroxysteroid dehydrogenase type 10; 3 hydroxy 2 methylbutyryl CoA dehydrogenase; 3 hydroxyacyl CoA dehydrogenase type 2; 3 hydroxyacyl CoA dehydrogenase type II; AB binding alcohol dehydrogenase; 17b HSD10; ABAD; Ads9; Amyloid beta binding polypeptide; Amyloid beta peptide binding alcohol dehydrogenase; Amyloid beta peptide binding protein; CAMR; DuPXp11.22; Endoplasmic Reticulum Amyloid Binding Protein; Endoplasmic reticulum associated amyloid beta peptide binding protein; ER associated a+myloid beta-binding protein; ERAB; HADH 2; HADH2; HCD 2; HCD2; HSD17B10; Hydroxyacyl CoA Dehydrogenase type II; Hydroxysteroid (17 beta) dehydrogenase 10; Mental retardation X linked syndromic 11; MHBD; Mitochondrial ribonuclease P protein 2; Mitochondrial RNase P protein 2; MRPP2; MRX17; Short chain dehydrogenase/reductase family 5C member 1; SDR5C1; Short chain L 3 hydroxyacyl CoA dehydrogenase type 2; Short chain type dehydrogenase/reductase XH98G2; Type 10 17b HSD; Type 10 17beta hydroxysteroid dehydrogenase; Type II HADH; XH98G2.; HADH recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl
Concentration	1.0 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSSLVPRGSH 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 AENPLHQSP SLNKLVAENK FGKKTGEGFY KYK
Sequence Length	314
Applicable Applications for HADH recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for HADH recombinant protein	HADH, which belongs to the family of oxidoreductases, is important for converting certain fats to energy. This protein is an enzyme that catalyzes the chemical reaction. ((S)-3-hydroxyacyl-CoA + NAD+ <=>3-oxoacyl-CoA + NADH + H+) It is also involved in a process called fatty acid oxidation, in which several enzymes work in a step-wise fashion to break down (metabolize) fats and convert them to energy. Recombinant HADH protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for HADH recombinant protein	Metabolism
References	Tieu K, et al. (2004) Ann Neurol. 56 (1):51-60; Vredendaal PJ, et al. (1996) Biochem Biophys Res Commun. 223 (3):718-23.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	12653081
NCBI GeneID	3033
Molecular Weight	35.1 kDa (323aa), confirmed by MALDI-TOF.
NCBI Official Full Name	Hydroxyacyl-Coenzyme A dehydrogenase
NCBI Official Synonym Full Names	hydroxyacyl-CoA dehydrogenase
NCBI Official Symbol	HADH
NCBI Official Synonym Symbols	HAD; HCDH; HHF4; HADH1; SCHAD; HADHSC; MSCHAD
NCBI Protein Information	hydroxyacyl-coenzyme A dehydrogenase, mitochondrial
UniProt Protein Name	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial
UniProt Gene Name	HADH
UniProt Synonym Gene Names	HAD; HADHSC; SCHAD; HCDH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.