

HSD17B10 recombinant protein

HSD17B10, 12-261aa, Human, His tag, E Coli

CATALOG # AAA48638	HOST E Coli	APPLICATIONS SDS-Page
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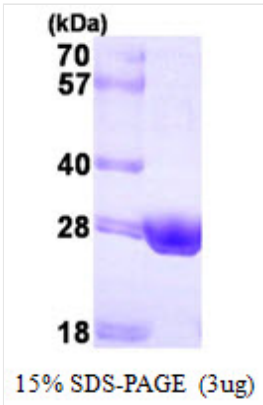
PRODUCT SYNONYMS

HSD17B10; 12-261aa; Human; His tag; E Coli; 3-hydroxyacyl-CoA dehydrogenase type-2; Hydroxyacyl Coenzyme A dehydrogenase type II; Mitochondrial L3 Hydroxyacyl CoA Dehydrogenase; 17 beta hydroxysteroid dehydrogenase 10; 17 beta hydroxysteroid dehydrogenase type 10; 17b HSD10; 3 hydroxy 2 methylbutyryl CoA dehydrogenase; 3 hydroxyacyl CoA dehydrogenase type 2; 3 hydroxyacyl CoA dehydrogenase type II; AB binding alcohol dehydrogenase; 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 amyloid beta-binding protein; ERAB; HADH 2; HADH2; HCD 2; HCD2; 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; SCHAD; SDR5C1; Short chain dehydrogenase/reductase family 5C member 1; 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; HSD17B10 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 1mM DTT, and 100 mM NaCl.
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSSLVPRGSH MVAVITGGAS GLGLATAERL VGQGASAVLL DLPNSGGAEQ AKKLGNNCVF APADVTSEKD VQTALALAKG KFG RVDVAVN CAGI AVASKT YNLKKGQTH T LEDFQRVLDV NLMGTFNVIR LVAGEMGQNE PDQGGQRGVI INTASVAAFE GQVGQAAYSA SKGGIVGMTL PIARDLAPIG IRVMTIAPGL FGTPLLTSLP EKV CNFLASQ VPFP SRLGDP AEY AHLVQAI IENPFLNGEV IRLDGAIRMQ P
Sequence Length	261
Applicable Applications for HSD17B10 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.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for HSD17B10 recombinant protein	HSD17B10 is a member of the short-chain dehydrogenase/reductase superfamily. This mitochondrial protein catalyzes the oxidation of a wide variety of fatty acids, alcohols, and steroids. HSD17B10 plays an important role in processing steroid hormones and fats, and also helps break down the protein building block (amino acid) isoleucine. This enzyme is also necessary for several chemical reactions involving female sex hormones (estrogens) and male sex hormones (androgens). It is essential for maintaining appropriate levels of male and female sex hormones. This protein may contribute to the neuronal dysfunction associated with Alzheimer disease. Recombinant HSD17B10 protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for HSD17B10 recombinant protein	Redox Proteins
References	Hoizmann J., et al. (2008) Cell. 135 (3):462-74. ; Yan SD., et al. (1997) Nature. 389 (6652):689-95. ;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758504
NCBI GeneID	3028
NCBI Accession #	NP_004484
NCBI GenBank Nucleotide #	NM_004493.2
UniProt Accession #	Q99714; Q5H927; Q6IBS9; Q8TCV9; Q96HD5
Molecular Weight	28.1 kDa (271aa), confirmed by MALDI-TOF.
NCBI Official Full Name	3-hydroxyacyl-CoA dehydrogenase type-2 isoform 1
NCBI Official Synonym Full Names	hydroxysteroid 17-beta dehydrogenase 10
NCBI Official Symbol	HSD17B10
NCBI Official Synonym Symbols	ABAD; CAMR; ERAB; HCD2; MHBD; HADH2; MRPP2; MRX17; MRX31; SCHAD; MRXS10; SDR5C1; HSD10MD; 17b-HSD10; DUPXp11.22
NCBI Protein Information	3-hydroxyacyl-CoA dehydrogenase type-2
UniProt Protein Name	3-hydroxyacyl-CoA dehydrogenase type-2
UniProt Gene Name	HSD17B10
UniProt Synonym Gene Names	ERAB; HADH2; MRPP2; SCHAD; SDR5C1; XH98G2; Mitochondrial RNase P protein 2

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.

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Online datasheet: <https://stage.aaabiotech.com/hsd17b10-recombinant-protein-e-coli-sds-page/48638>