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Datasheet for ABIN666970

HSD17B10 Protein (AA 12-261) (His tag)

1 Image

Overview

Quantity:	100 µg
Target:	HSD17B10
Protein Characteristics:	AA 12-261
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSD17B10 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	HSD17B10, 12-261aa, Human, His tag, E.coli
Purity:	> 95 % by SDS-PAGE

Target Details

Target:	HSD17B10
Alternative Name:	HSD17B10 (HSD17B10 Products)
Background:	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

Target Details

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. Synonyms: 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 , 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 , 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 , 3-hydroxyacyl-CoA dehydrogenase type-2. NCBI no.: NP_004484

Molecular Weight: 28.1 kDa (271aa), confirmed by MALDI-TOF.

Application Details

Restrictions: For Research Use only

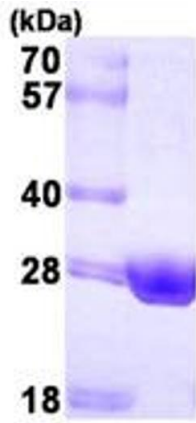
Handling

Format: Liquid

Concentration: 1 mg/ml (determined by Bradford assay)

Buffer: Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, and 100 mM NaCl.

Storage: 4 °C



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.