

Datasheet for ABIN7597233

HSD17B10 Protein (AA 1-261) (DYKDDDDK Tag)[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	HSD17B10
Protein Characteristics:	AA 1-261
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSD17B10 protein is labelled with DYKDDDDK Tag.

Product Details

Purpose:	Recombinant human HSD17B10 Protein with C-terminal 3xFlag tag
Sequence:	HSD17B10(Met1-Pro261) 3xFlag tag
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	HSD17B10
Alternative Name:	HSD17B10 (HSD17B10 Products)
Background:	<p>ABAD, CAMR, ERAB, HCD2, MHBD, HADH2, MRPP2, MRX17, MRX31, SCHAD, MRXS10, SDR5C1, HSD10MD, 17b-HSD10, DUPXp11.22</p> <p>This gene encodes 3-hydroxyacyl-CoA dehydrogenase type II, a member of the short-chain dehydrogenase/reductase superfamily. The gene product is a mitochondrial protein that</p>

Target Details

catalyzes the oxidation of a wide variety of fatty acids and steroids, and is a subunit of mitochondrial ribonuclease P, which is involved in tRNA maturation. The protein has been implicated in the development of Alzheimer disease, and mutations in the gene are the cause of 17beta-hydroxysteroid dehydrogenase type 10 (HSD10) deficiency. Several alternatively spliced transcript variants have been identified, but the full-length nature of only two transcript variants has been determined. [provided by RefSeq, Aug 2014]

Molecular Weight: predicted molecular mass of 29.9 kDa after removal of the signal peptide. The apparent molecular mass of HSD17B10-Flag is 25-35 kDa due to glycosylation.

UniProt: [Q99714](#)

Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

Comment: The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months