PRODUCT INFORMATION

Target	HSD17B10
Synonyms	MHBD;Type II HADH;ERAB;HADH2;MRPP2;SCHAD;SDR5C1;XH98G2
Description	Recombinant human HSD17B10 protein with N-terminal S tag
Delivery	In Stock
Uniprot ID	Q99714
Expression Host	HEK293
Tag	N-S Tag
Molecular Characterization	S tag HSD17B10(Ala2-Pro261)
Molecular Weight	The protein has a predicted molecular mass of 28.5 kDa after removal of the signal peptide. The apparent molecular mass of S-HSD17B10 is approximately 35-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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.
Background	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 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]
Usage	Research use only
Conjugate	Unconjugated

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Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com

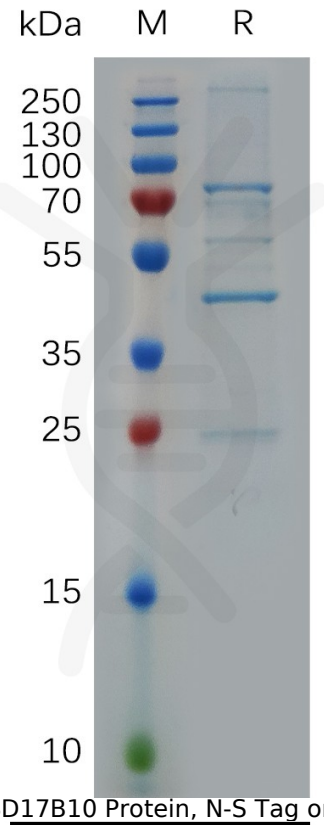


Figure 1. Human HSD17B10 Protein, N-S Tag on SDS-PAGE under reducing condition.

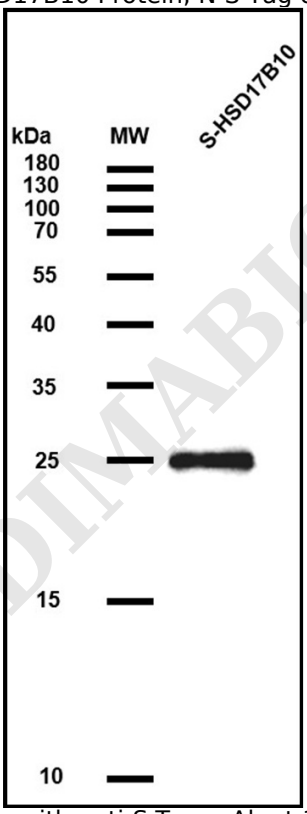


Figure 2. WB analysis with anti-S Tag mAb at 1:10000 dilution followed by Goat anti Mouse IgG HRP at 1: 10000 dilution

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