

PRODUCT INFORMATION

|                              |  |
|------------------------------|--|
| Target                       | HSD17B10   |
| Synonyms                     | MHBD;Type II<br>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   |



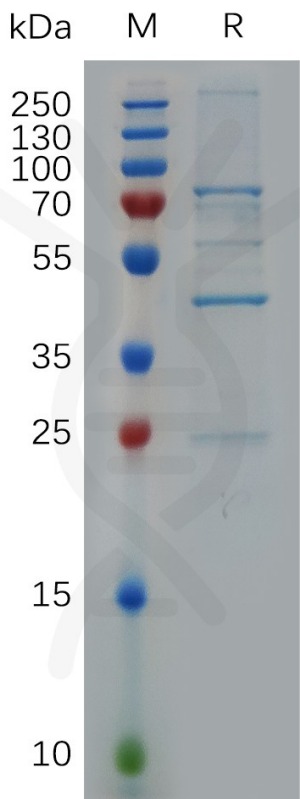


Figure 1. Human HSD17B10 Protein, N-S Tag on SDS-PAGE under reducing condition.

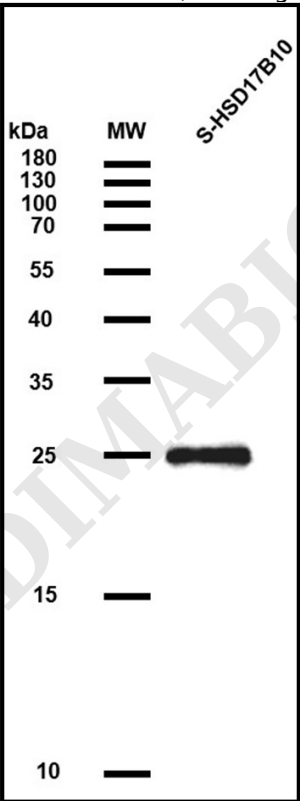


Figure 2. WB analysis with anti-S Tag mAb at 1:10000 dilution followed by Goat anti Mouse IgG HRP at 1: 10000 dilution

