HUMAN HSD17B10 PROTEIN, S TAG

Cat.#: 11504

Product Name: Human HSD17B10 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: MHBD;Type II HADH;ERAB;HADH2;MRPP2;SCHAD;SDR5C1;XH98G2

Target: HSD17B10

UNIPROT ID: Q99714

Description: Recombinant human HSD17B10 protein with N-terminal S tag

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]

Species/Host: HEK293

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.

Molecular Characterization: S tag HSD17B10(Ala2-Pro261)

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.

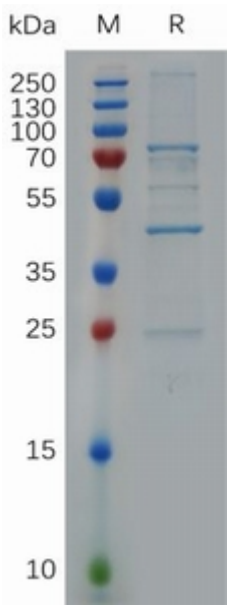

Figure 1. Human HSD17B10 Protein, N-S Tag on SDS-PAGE under reducing condition.

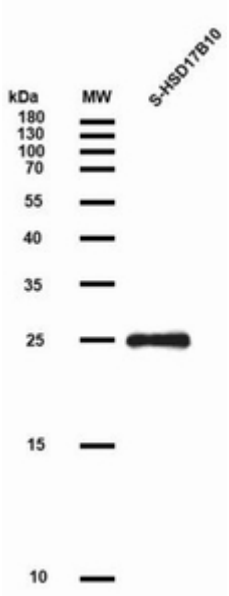

Figure 2. Gel:15%SDS-PAGE Elution :0.1 μg S-HSD17B10 Predicted size: 28.5kDa Primary antibody:anti-S Tag mAb at 1:10000 dilution Secondary antibody:Goat anti Mouse IgG HRP at 1:10000 dilution Exposure time :30s