

Datasheet for ABIN7490903

HSD17B10 Protein (AA 2-261) (S tag)



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2 Images

Overview

Quantity:	100 µg
Target:	HSD17B10
Protein Characteristics:	AA 2-261
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSD17B10 protein is labelled with S tag.

Product Details

Purpose:	Recombinant human HSD17B10 protein with N-terminal S tag
Specificity:	S tag HSD17B10 (Ala2-Pro261)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	HSD17B10
Alternative Name:	HSD17B10 (HSD17B10 Products)
Background:	This gene encodes 3-hydroxyacyl-CoA dehydrogenase type II, a member of the short-chain

Target Details

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]

Molecular Weight: predicted molecular mass of 28.5 kDa after removal of the signal peptide. The apparent molecular mass of S-HSD17B10 is 35-70 kDa due to glycosylation.

UniProt: [Q99714](#)

Application Details

Restrictions: For Research Use only

Handling

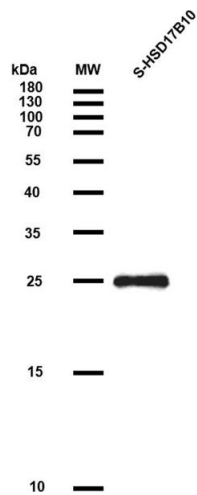
Format: Lyophilized

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

Storage: -20 °C,-80 °C

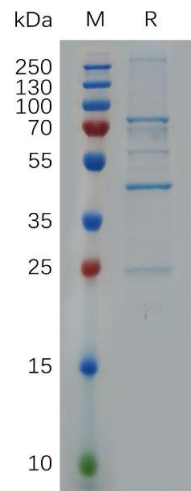
Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Gel:15 % SDS-PAGE Elution :0.1 µg S-B10
Predicted size: 28.5 kDa Primary antibody:anti-S Tag mAb at 1:10000 dilution Secondary antibody:Goat anti Mouse IgG HRP at 1:10000 dilution Exposure time :30s



SDS-PAGE

Image 2. Human B10 Protein, N-S Tag on SDS-PAGE under reducing condition.