

Recombinant Human HSD17B10 Protein, Myc/DDK-tagged

Cat. No. HSD17B10-4781H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human hydroxysteroid (17-beta) dehydrogenase 10 (HSD17B10), nuclear gene encoding mitochondrial protein, transcript variant 1 with a C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	25.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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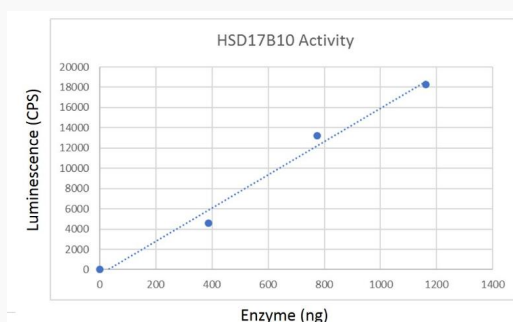
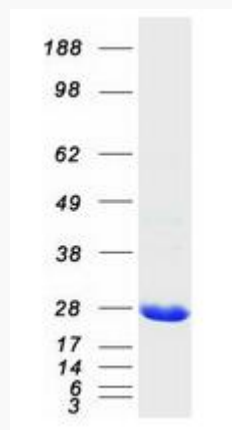
Storage	Store at -80 centigrade.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
GENE INFORMATION	
Gene Name	HSD17B10 hydroxysteroid 17-beta dehydrogenase 10 [Homo sapiens (human)]
Official Symbol	HSD17B10
Synonyms	HSD17B10; hydroxysteroid 17-beta dehydrogenase 10; ABAD; CAMR; ERAB; HCD2; MHBD; HADH2; MRPP2; MRX17; MRX31; SCHAD; MRXS10; SDR5C1; HSD10MD; 17b-HSD10; DUPXp11.22; 3-hydroxyacyl-CoA dehydrogenase type-2; 3-hydroxy-2-methylbutyryl-CoA dehydrogenase; AB-binding alcohol dehydrogenase; amyloid-beta peptide binding alcohol dehydrogenase; endoplasmic reticulum-associated amyloid beta-peptide-binding protein; mitochondrial RNase P subunit 2; mitochondrial ribonuclease P protein 2; short chain L-3-hydroxyacyl-CoA dehydrogenase type 2; short chain type dehydrogenase/reductase XH98G2; EC 1.1.1.159; EC 1.1.1.178; EC 1.1.1.239; EC 1.1.1.35; EC 1.1.1.53; EC 1.1.1.62
Gene ID	3028
mRNA Refseq	NM_004493
Protein Refseq	NP_004484
MIM	300256
UniProt ID	Q99714

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SDS-Page



HSD17B10 enzymatic activity with 75 μ M β -estradiol as a substrate, measured by NADH production (indicated by luminescence).

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