

Recombinant Full Length Human HSD17B10 Protein, GST-tagged

Cat. No. HSD17B10-3805HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HSD17B10 full-length ORF (NP_004484.1, 1 a.a. - 261 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	261 amino acids
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, alcohols, and steroids. The protein has been implicated in the development of Alzheimers disease, and mutations in the gene are the cause of 2-methyl-3-hydroxybutyryl-CoA dehydrogenase deficiency (MHBD). Several alternatively spliced transcript variants have been identified, but the full-length nature of only two transcript variants has been determined. [provided by RefSeq]
Molecular Mass	53.3 kDa
AA Sequence	MAAACRSVKGLVAVITGGASGLGLATAERLVGQGASAVLLDLPNSGGGEAQAKKLG NCVFAPADVTSEKDVQTALALAKGKFGFRVDVAVNCAGIAVASKTYNLKKGQTHLE DFQRVLDVNLMGTFNVIRLVAGEMGQNEPDQGGQRGVIINTASVAAFEGQVGQAAY SASKGGIVGMTLPIARDLAPIGIRVMTIAPGLFGTPLLTSLEKVCNFLASQVPFPSRL

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	GDPAEYAHVLVQAIENPFLNGEVIRLDGAIRMQP
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HSD17B10 hydroxysteroid (17-beta) dehydrogenase 10 [Homo sapiens]
Official Symbol	HSD17B10
Synonyms	HSD17B10; hydroxysteroid (17-beta) dehydrogenase 10; HADH2, hydroxyacyl Coenzyme A dehydrogenase, type II, hydroxyacyl Coenzyme A dehydrogenase, type II , mental retardation, X linked, syndromic 10 , MRXS10; 3-hydroxyacyl-CoA dehydrogenase type-2; 17b HSD10; AB binding alcohol dehydrogenase; ABAD; CAMR; ERAB; MHBD; MRPP2; SDR5C1; short chain dehydrogenase/reductase family 5C; member 1; type 10 17b HSD; type 10 17beta hydroxysteroid dehydrogenase; AB-binding alcohol dehydrogenase; mitochondrial ribonuclease P protein 2; 3-hydroxy-2-methylbutyryl-CoA dehydrogenase; short chain type dehydrogenase/reductase XH98G2; amyloid-beta peptide binding alcohol dehydrogenase; short chain L-3-hydroxyacyl-CoA dehydrogenase type 2; short chain dehydrogenase/reductase family 5C, member 1; endoplasmic reticulum-associated amyloid beta-peptide-binding protein; HCD2; HADH2; MRX17; MRX31; SCHAD;

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MRXS10; 17b-HSD10; DUPXp11.22;

Gene ID 3028**mRNA Refseq** NM_001037811**Protein Refseq** NP_001032900**MIM** 300256**UniProt ID** Q99714 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA