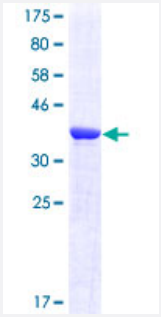
HSD17B10 (Human) Recombinant Protein (Q01)

Catalog # H00003028-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HSD17B10 partial ORF (NP_004484, 31 a.a. - 128 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	VGQGASAVLLDLPNSGGEAQAKKLGNNCVFAPADVTSEKDVQTALALAKGKFGRVDVAVNCAG IAVASKTYNLKKGQTHTLEDFQRVLDVNLMGTFNV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HSD17B10

Entrez GeneID	3028
GeneBank Accession#	NM_004493
Protein Accession#	NP_004484
Gene Name	HSD17B10
Gene Alias	17b-HSD10, ABAD, CAMR, DUPXp11.22, ERAB, HADH2, HCD2, MHBD, MRPP2, MRX17, MRX31, MRXS10, SCHAD, SDR5C1
Gene Description	hydroxysteroid (17-beta) dehydrogenase 10
Omim ID	300256 300438
Gene Ontology	Hyperlink
Gene Summary	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 Alzheimer's 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
Other Designations	17-beta-hydroxysteroid dehydrogenase type 10|3-hydroxy-2-methylbutyryl-CoA dehydrogenase|AB-binding alcohol dehydrogenase|OTTHUMP00000023348|OTTHUMP00000023349|amyloid-beta binding polypeptide|amyloid-beta peptide binding alcohol dehydrogenase|mental reta

Publication Reference

- Levels of 17β-hydroxysteroid dehydrogenase type 10 in CSF are not a valuable biomarker for multiple sclerosis.

  Kristofikova Z, Ricny J, Kaping D, Klaschka J, Kotoucova J, Bartos A.

  Biomarkers in Medicine 2018 Dec; [Epub].

  Application: ELISA, Human, Cerebrospinal fluid from patients with multiple sclerosis

Pathway

- Metabolic pathways
- Valine