



# Recombinant Human 3-hydroxyacyl-CoA dehydrogenase type-2 (HSD17B10)

<b>Product Code</b>	CSB-EP860776HU-B
<b>Abbreviation</b>	HSD17B10
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q99714
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	AAACRSVKG LVAVITGGAS GLGLATAERL VGQGASAVLL DLPNSGGEAQ AKKLGNNCVF APADVTSEKD VQTALALAKG KFGRVDVAVN CAGIAVASKT YNLKKGQHT LEDFQRVLDV NLMGTFNVIR LVAGEMGQNE PDQGGQRGVI INTASVAAFE GQVGQAAYSA SKGGIVGMTL PIARDLAPIG IRVMTIAPGL FGTPLLSLP EKVCNFLASQ VPFPSRLGDP AEYAHLVQAI IENPFLNGEV IRLDGAIRMQ P
<b>Source</b>	E.coli
<b>Target Names</b>	HSD17B10
<b>Protein Names</b>	Recommended name: 3-hydroxyacyl-CoA dehydrogenase type-2 EC= 1.1.1.35 Alternative name(s): 17-beta-hydroxysteroid dehydrogenase 10 Short name= 17-beta-HSD 10 3-hydroxy-2-methylbutyryl-CoA dehydrogenase EC= 1.1.1.178 3-
<b>Expression Region</b>	2-261
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

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