



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

<b>Product Code</b>	CSB-YP860776HU
<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 YNLKKGQTHL LEDFQRVLDV NLMGTFNVIR LVAGEMGQNE PDQGGQRGVI INTASVAAFE GQVGQAAYSA SKGGIVGMTL PIARDLAPIG IRVMTIAPGL FGTPLLTSLP EKVCNFLASQ VPFPSRLGDP AEYAHLVQAI IENPFLNGEV IRLDGAIRMQ P
<b>Source</b>	Yeast
<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

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.