



# Recombinant Rat 3-hydroxyacyl-CoA dehydrogenase type-2 (Hsd17b10)

<b>Product Code</b>	CSB-YP010767RA
<b>Relevance</b>	Functions in mitochondrial tRNA maturation. Part of mitochondrial ribonuclease P, an enzyme composed of MRPP1/TRMT10C, MRPP2/HSD17B10 and MRPP3/KIAA0391, which cleaves tRNA molecules in their 5'-ends. Catalyzes the beta-oxidation at position 17 of androgens and estrogens and has 3-alpha-hydroxysteroid dehydrogenase activity with androsterone. Catalyzes the third step in the beta-oxidation of fatty acids. Carries out oxidative conversions of 7-alpha-OH and 7-beta-OH bile acids. Also exhibits 20-beta-OH and 21-OH dehydrogenase activities with C21 steroids
<b>Abbreviation</b>	Recombinant Rat Hsd17b10 protein
<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>	O70351
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	AAAVRSVKGLVAVITGGASGLGLSTAKRLVGQGATAVLLDVPNSEGETEAKKL GGNCIFAPANVTSEKEVQAALTLAKEKFGRIDVAVNCAGIAVAIKTYHEKKNQV HTLEDFQRVINVNLIGTFNVIRLVAGVMGQNEPDQGGQRGVIINTASVAAFEGQ VGQAAYSASKGGIVGMTLPIARDLAPIGIRVVTIAPGLFATPLLTLPDKVRNFLA SQVPFPSRLGDPAEYAHLVQMVIENPFLNGEVIRLDGAIRMQP
<b>Research Area</b>	Neuroscience
<b>Source</b>	Yeast
<b>Target Names</b>	Hsd17b10
<b>Protein Names</b>	17-beta-hydroxysteroid dehydrogenase 10
<b>Expression Region</b>	2-261aa
<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>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	29.1kDa
<b>Protein Length</b>	Full Length of Mature Protein
<b>Image</b>	

