

Recombinant Rat HSD17B10 Protein (2-261 aa), His-tagged

Cat. No. HSD17B10-2273R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat HSD17B10 Protein (2-261 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Neuroscience. Protein Description: Full Length of Mature Protein.
Species	Rat
Source	Yeast
ProteinLength	2-261 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	29.1 kDa
AA Sequence	AAAVRSVKGLVAVITGGASGLGLSTAKRLVGQGATAVLLDVPNSEGETEAKKLGGN CIFAPANVTSEKEVQAALTLAKEKFGRIDVAVNCAGIAVAIKTYHEKKNQVHTLEDFQ

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RVINVNLIGTFNVIRLVAGVMGQNEPDQGGQRGVIINTASVAAFEGQVGQAAYSASK
GGIVGMTLPIARDLAPIGIRVVTIAPGLFATPLLTTLPDKVRNFLASQVPFPSRLGDPA
EYAHLVQMVIENPFLNGEVIRLDGAIRMQP

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage 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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name [Hsd17b10 hydroxysteroid \(17-beta\) dehydrogenase 10 \[Rattus norvegicus \]](#)

Official Symbol [HSD17B10](#)

Synonyms HSD17B10; type II HADH; 17-beta-HSD 10; Hadh2;

Gene ID [63864](#)

mRNA Refseq [NM_031682](#)

Protein Refseq [NP_113870](#)

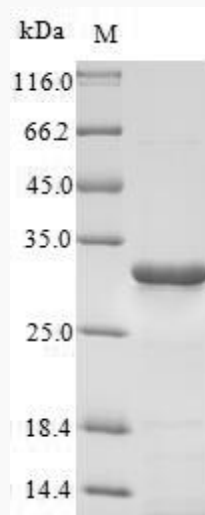
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UniProt ID

O70351



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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