

## Recombinant Mouse Hsd3b1 Protein, MYC/DDK-tagged

**Cat. No.** Hsd3b1-1182M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of full-length mouse hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 (Hsd3b1), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	3-beta-HSD is a bifunctional enzyme, that catalyzes the oxidative conversion of Delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids.
<b>Molecular Mass</b>	42 kDa
<b>Purity</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 g/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## GENE INFORMATION

**Gene Name** Hsd3b1 hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 [ *Mus musculus* (house mouse) ]

**Official Symbol** Hsd3b1

**Synonyms** Hsd3b1; hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1; D3ErtD383e; 3-beta-HSD I; 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1; 3-beta-hydroxy-5-ene steroid dehydrogenase; 3-beta-hydroxy-Delta(5)-steroid dehydrogenase; 3-beta-hydroxysteroid 3-dehydrogenase; delta-5-3-ketosteroid isomerase; dihydrotestosterone oxidoreductase; steroid Delta-isomerase; EC 1.1.1.145; EC 1.1.1.210; EC 1.1.1.270; EC 5.3.3.1

**Gene ID** 15492

**mRNA Refseq** NM\_008293

**Protein Refseq** NP\_032319

**UniProt ID** P24815

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