

# Recombinant Full Length Human HSD3B1 Protein, C-Flag-tagged

**Cat. No.** HSD3B1-1705HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human HSD3B1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	The protein encoded by this gene is an enzyme that catalyzes the oxidative conversion of delta-5-3-beta-hydroxysteroid precursors into delta-4-ketosteroids, which leads to the production of all classes of steroid hormones. The encoded protein also catalyzes the interconversion of 3-beta-hydroxy- and 3-keto-5-alpha-androstane steroids.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	42.1 kDa
<b>AA Sequence</b>	MTGWSCLVTGAGGFLGQRIIRLLVKEKELKEIRVLDKAFGPPELREEFSKLQNKTKLTV LEGDILDEPFLK RACQDVSVIIHTACIIDVFGVTHRESIMNVNVKGTQLLLEACVQASV PVFIYTSSIEVAGPNSYKEIIQN GHEEEPLENTWPAPYPHSHKLAEKAVLAANGWNL KNGGTLTYCALRPMYIYGEGSRFLSASINEALNNG ILSSVGKFSTVNPVYVGNVA WAHILALRALQDPKKAPSIRGQFYYSDDTPHQSYDNLNYTLSKEFGLRL DSRWSFP LSLMYWIGFLEIVSFLLRPIYTYRPPFNRHIVTLSNSVFTFSYKKAQRDLAYKPLYSW EEAK

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QKTVEWVGSLVDRHKENLKSKTQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining.

**Stability** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Storage** Store at -80 centigrade.

**Concentration** >50 ug/mL as determined by microplate BCA method.

**Preparation** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Protein Families** Transmembrane

**Protein Pathways** Androgen and estrogen metabolism, C21-Steroid hormone metabolism, Metabolic pathways

**Full Length** Full L.

## GENE INFORMATION

**Gene Name** [HSD3B1 hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [HSD3B1](#)

**Synonyms** HSD3B; HSDB3; HSDB3A; SDR11E1; 3BETAHSD

**Gene ID** [3283](#)

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mRNA Refseq [NM\\_000862.3](#)

Protein Refseq [NP\\_000853.1](#)

MIM [109715](#)

UniProt ID [P14060](#)



Coomassie blue staining of purified HSD3B1 protein.

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