

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

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

SPECIFICATION

Product Overview	Recombinant Full Length Human HSD3B1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	42.1 kDa
AA Sequence	MTGWSCLVTGAGGFLGQRIIRLLVKEKELKEIRVLDKAFGPPELREEFSKLQNKTKLTV LEGDILDEPFLK RACQDVSVIIHTACIIDVFGVTHRESIMNVNVKGTQLLLEACVQASV PVFIYTSSIEVAGPNSYKEIIQN GHEEEPLENTWPAPYPHSHKLAEKAVLAANGWNL KNGGTLYTCALRPMYIYGEGSRFLSASINEALNNNG ILSSVGKFSTVNPVYVGNVA WAHILALRALQDPKKAPSIRGQFYIISDDTPHQSYDNLNYTLSKEFGLRL DSRWSFP LSLMYWIGFLLFIVSFLLRPIYTYRPPFNRHIVTLSNSVFTFSYKKAQRDLAYKPLYSW EEAK

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	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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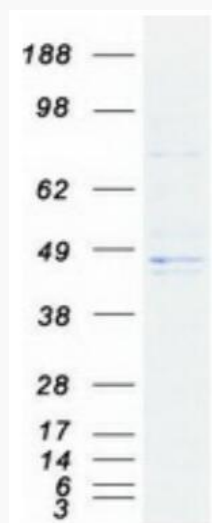
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mRNA Refseq [NM_000862.3](#)

Protein Refseq [NP_000853.1](#)

MIM [109715](#)

UniProt ID [P14060](#)



Coomassie blue staining of purified HSD3B1 protein.

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