

Recombinant Full Length Human HSD3B2 Protein, C-Flag-tagged

Cat. No. HSD3B2-1441HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HSD3B2 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 a bifunctional enzyme that catalyzes the oxidative conversion of delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. It plays a crucial role in the biosynthesis of all classes of hormonal steroids. This gene is predominantly expressed in the adrenals and the gonads. Mutations in this gene are associated with 3-beta-hydroxysteroid dehydrogenase, type II, deficiency. Alternatively spliced transcript variants have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	41.9 kDa
AA Sequence	MGWSCLVTGAGGLLGQRIVRLLVEEKELKEIRALDKAFRPELREEFSKLQNRTKLTV LEGDILDEPFLKR ACQDVSVVIHTACIIDVFGVTHRESIMNVNVKGTQLLLEACVQAS VPVFIYTSSIEVAGPNSYKEIIQNG HEEEPLENTWPTPYPSKKLAEKAVLAANGWN LKNAGDTLYTCALRPTYIYGEGGPFLSASINEALNNNGI LSSVGKFSTVNPVYVGNVA WAHILALRALRDPKAPSVRGQFYIISDDTPHQSYDNLNYILSKEFGLRLD SRWSLP

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	LTLMYWIGFLLLEVVSFLLSPIYSYQPPFNRHTVTLSNSVFTFSYKKAQRDLAYKPLYS WEEAKQ KTVEWVGSLVDRHKETLKSKTQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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	Druggable Genome, Transmembrane
Protein Pathways	Androgen and estrogen metabolism, C21-Steroid hormone metabolism, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

Gene Name	HSD3B2 hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2 [Homo sapiens (human)]
Official Symbol	HSD3B2
Synonyms	HSDB; HSD3B; SDR11E2

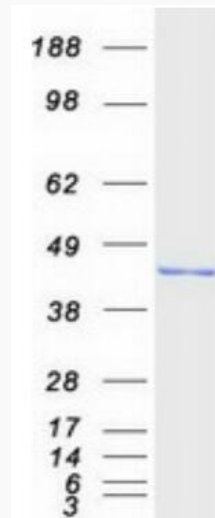
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Gene ID	3284
mRNA Refseq	NM_000198.4
Protein Refseq	NP_000189.1
MIM	613890
UniProt ID	P26439



Coomassie blue staining of purified HSD3B2 protein.