

Recombinant Full Length Human HSD3B2 Protein

Cat. No. HSD3B2-246HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human HSD3B2 (aa 1-372) with N-terminal proprietary tag, 66.99 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	372 amino acids
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	Liquid
Molecular Mass	66.990kDa inclusive of tags
AA Sequence	MGWSCLVTGAGGLLGQRIVRLLVEEKELKEIRALDKAFRP ELREEFSKLQNRTKLTV LEGDILDEPFLKRACQDVSVVIH TACIIDVFGVTHRESIMNVNVKGTQLLLEACVQAS VPVFI YTSSIEVAGPNSYKEIIQNGHEEEPLENTWPTPYPSKKL AEKAVLAANGWN LKNGDTLYTCALRPTYIYGEGGPFLSAS INEALNNNGILSSVGKFSTVNPVYVGNA

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WAHILALRALR DPKKAPSVRGQFYISDDTPHQSYDNLNYILSKEFGLRLD SRWSL
PLTLMYWIGFLLEVVSFLLSPIYSYQPPFNRHTVT LSNSVFTFSYKKAQRDLAYKPLY
SWEEAKQKTVEWVGSLV DRHKETLKSKTQ

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name HSD3B2 hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2 [Homo sapiens]

Official Symbol HSD3B2

Synonyms HSD3B2; hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2; 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 2; SDR11E2; short chain dehydrogenase/reductase family 11E; member 2

Gene ID 3284

mRNA Refseq NM_000198

Protein Refseq NP_000189

MIM 613890

UniProt ID P26439

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