Recombinant Human HSD3B2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HSD3B2-3641H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HSD3B2 MS Standard C13 and N15-labeled recombinant protein (NP_000189) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	42.1 kDa
AA Sequence	MGWSCLVTGAGGLLGQRIVRLLVEEKELKEIRALDKAFRPELREEFSKLQNRTKLTV LEGDILDEPFLKRACQDVSVVIHTACIIDVFGVTHRESIMNVNVKGTQLLLEACVQASV PVFIYTSSIEVAGPNSYKEIIQNGHEEEPLENTWPTPYPYSKKLAEKAVLAANGWNLK NGDTLYTCALRPTYIYGEGGPFLSASINEALNNNGILSSVGKFSTVNPVYVGNVAWA HILALRALRDPKKAPSVRGQFYYISDDTPHQSYDNLNYILSKEFGLRLDSRWSLPLTL MYWIGFLLEVVSFLLSPIYSYQPPFNRHTVTLSNSVFTFSYKKAQRDLAYKPLYSWE

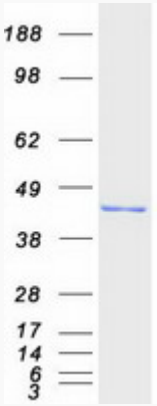
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	EAKQKTVEWVGSLVDRHKETLKSKTQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	HSD3B2 hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 2 [Homo sapiens (human)]
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; 3 beta-hydroxysteroid dehydrogenase/Delta 5--> 4-isomerase type 2; 3-beta-HSD II; 3 beta-HSD type II; progesterone reductase; delta 5-delta 4-isomerase type II; 3-beta-HSD adrenal and gonadal type; 3-beta-hydroxy-5-ene steroid dehydrogenase; 3-beta-hydroxy-Delta(5)-steroid dehydrogenase; short chain dehydrogenase/reductase family 11E, member 2; 4-isomerase type II; 3 beta-hydroxysteroid dehydrogenase type II, delta 5-delta 4-isomerase type II, 3 beta-HSD type II; HSDB; HSD3B;
Gene ID	3284

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mRNA Refseq	NM_000198
Protein Refseq	NP_000189
MIM	613890
UniProt ID	P26439
SDS-PAGE	

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