Recombinant Human HSD3B1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HSD3B1-4934H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HSD3B1 MS Standard C13 and N15-labeled recombinant protein (NP_000853) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	42.3 kDa
AA Sequence	MTGWSCLVTGAGGFLGQRIIRLLVKEKELKEIRVLDKAFGPELREEFSKLQNKTKLTV LEGDILDEPFLKRACQDVSVIIHTACIIDVFGVTHRESIMNVNVKGTQLLLEACVQASV PVFIYTSSIEVAGPNSYKEIIQNGHEEEPLENTWPAPYPHSKKLAEKAVLAANGWNLK NGGTLYTCALRPMYIYGEGSRFLSASINEALNNNGILSSVGKFSTVNPVYVGNVAWA HILALRALQDPKKAPSIRGQFYYISDDTPHQSYDNLNYTLSKEFGLRLDSRWSFPLSL MYWIGFLLEIVSFLLRPIYTYRPPFNRHIVTLSNSVFTFSYKKAQRDLAYKPLYSWEEA KQKTVEWVGSLVDRHKENLKSKTQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

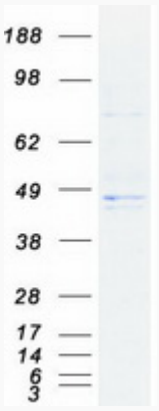
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	HSD3B1 hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 [Homo sapiens (human)]
Official Symbol	HSD3B1
Synonyms	HSD3B1; hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1; HSD3B, HSDB3; 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 1; SDR11E1; short chain dehydrogenase/reductase family 11E; member 1; 3 beta-hydroxysteroid dehydrogenase/Delta 5--> 4-isomerase type 1; 3-beta-HSD I; progesterone reductase; steroid Delta-isomerase; trophoblast antigen FDO161G; delta-5-3-ketosteroid isomerase; 3-beta-hydroxy-5-ene steroid dehydrogenase; 3-beta-hydroxy-Delta(5)-steroid dehydrogenase; short chain dehydrogenase/reductase family 11E, member 1; 4-isomerase type I; hydroxy-delta-5-steroid dehydrogenase, 3 beta-and steroid delta-isomerase 1; I; HSD3B; HSDB3; HSDB3A; 3BETAHSD;
Gene ID	3283
mRNA Refseq	NM_000862

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Protein Refseq	NP_000853
MIM	109715
UniProt ID	P14060
SDS-PAGE	

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