

Recombinant Full Length Human HSD3B1 Protein, GST-tagged

Cat. No. HSD3B1-3882HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human HSD3B1 full-length ORF (AAH31999.1, 1 a.a. - 373 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

Protein Length 373 amino acids

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. [provided by RefSeq, Jun 2016]

Molecular Mass 66.77 kDa

AA Sequence

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MTGWSCLVTGAGGFLGQRIIRLLVKEKELKEIRVLDKAFGPPELREEFSKLQNKTKLTV
LEGDILDEPFLKRACQDVSVIIHTACIIDVFGVTHRESIMNVNVKGTQLLLEACVQASV
PVFIYTSSIEVAGPNSYKEIIQNGHEEEPLENTWPAPYPHSHKLAEKAVLAANGWNLK
NGGTLYTCALRPMYIYGEGRFLSASINEALNNGILSSVGKSTVNPVYVGNVAWA
HILALRALQDPKKAPSIRGQFYIISDDTPHQSYDNLNYTLSKEFGLRLDSRWSFPLSL
MYWIGFLLIEVSFLLRPIYTYRPPFNRHIVTLSNSVFTFSYKKAQRDLAYKPLYSWEEA
KQKTVEWVGSLVDRHKENLKSQTQ
    
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 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

Applications	<p>Enzyme-linked Immunoabsorbent Assay</p> <p>Western Blot (Recombinant protein)</p> <p>Antibody Production</p> <p>Protein Array</p>
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HSD3B1 hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 [Homo sapiens]
Official Symbol	HSD3B1
Synonyms	<p>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;</p>
Gene ID	3283

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mRNA Refseq	NM_000862
Protein Refseq	NP_000853
MIM	109715
UniProt ID	P14060

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