

Recombinant Full Length Human HSD3B2 Protein, GST-tagged

Cat. No. HSD3B2-3883HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HSD3B2 full-length ORF (NP_000189.1, 1 a.a. - 372 a.a.) recombinant protein with GST-tag at N-terminal.
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. [provided by RefSeq, Oct 2009]
Molecular Mass	68.5 kDa
AA Sequence	MGWSCLVTGAGGLLGQRIVRLLVEEKELKEIRALDKAFRPELREEFSKLQNRKLT VLEGDILDEPFLKRACQDVSVVIHTACIIDVFGVTHRESIMNVNVKGTQLLLEACVQASV PVFIYTSSIEVAGPNSYKEIIQNGHEEEPLENTWPTYPYPYSKKLAEKAVLAANGWNLK NGDTLYTCALRPTYIYGEGGPFLSASINEALNNNGILSSVGKFSTVNPVYVGNVAWA HILALRALRDPKKAPSVRGQFYIISDDTPHQSYDNLNYILSKEFGLRLDSRWSLPLTL MYWIGFLLEVVSFLLSPIYSYQPPFNRHTVTLNSVFTFSYKKAQRDLAYKPLYSWE

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EAKQKTVEWVGSLVDRHKETLKSKTQ

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

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

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; 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

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