

Datasheet for ABIN7563014
Hsd3b3 Protein (AA 1-373) (His tag)



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Overview

Quantity:	1 mg
Target:	Hsd3b3 (HSD3B3)
Protein Characteristics:	AA 1-373
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Hsd3b3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Hsd3b3 Protein expressed in mammalien cells.
Sequence:	MPGWSCLVTG AGGFLGQRII QLLVQEKDLE EIRVLDKVFK PETREQFFNL GTSIKVTVLE GDILDTQYLR RACQGISVVI HTAAIIDVTG VIPRQTILDV NLKGTQNLLE ACIQASVPAF IFSSVDVAG PNSYKDIVLN GHEDEHREST WSDPYPYSKK MAEKAVLAAN GSMLKNGGTL QTCALRPMCI YGERSQFLSN TIIKALKNKF ILRGGGKFST ANPVYVGNVA WAHILAARGL RNPKKSPNIQ GEFYYISDDT PHQSYDDLNY TLSKEWGFCL NSRWYLPVPI LYWLAFLEET VSFLLSPIYR YIPPFNRHLV TLTASTFTFS YKKAQRDLGY EPLVSWEELAK QKTSEWIGTL VEQHRETLDT KSQ Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	Hsd3b3 (HSD3B3)
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Alternative Name:	Hsd3b3
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Background:	3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 3 (3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type III) (3-beta-HSD III) [Includes: 3-beta-hydroxy-Delta(5)-steroid dehydrogenase (EC 1.1.1.145) (3-beta-hydroxy-5-ene steroid dehydrogenase) (Progesterone reductase), Steroid Delta-isomerase (EC 5.3.3.1) (Delta-5-3-ketosteroid isomerase)],FUNCTION: 3-beta-HSD is a bifunctional enzyme, that catalyzes the oxidative conversion of Delta(5)-ene-3-beta-hydroxy steroid, and the oxidative conversion of ketosteroids. The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids.
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Molecular Weight:	42.0 kDa
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UniProt:	P26150
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months