

Datasheet for ABIN7551835
HSD3B2 Protein (AA 1-372) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	HSD3B2
Protein Characteristics:	AA 1-372
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSD3B2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat HSD3B2 Protein expressed in mammalian cells.
Sequence:	MGWSCLVTGA GLLGQRIVR LLVEEKELKE IRALDKAFRP ELREEFSKLQ NRTKLTVLEG DILDEPFLKR ACQDVSVVIH TACIIDVFGV THRESIMNVN VKGTQLLLEA CVQASVPVFI YTSSIEVAGP NSYKEIIQNG HEEPLENTW PTPYPYSKKL AEKAVLAANG WNLKNGDTLY TCALRPTYIY GEGGPFLSAS INEALNNGI LSSVGKFSTV NPVYVGNVAW AHILALRALR DPKKAPSVRG QFYISDDTP HQSYDNLNYI LSKEFGLRLD SRWSLPLTLM YWIGFLLEV SFLLSPIYSY QPPFNRHTVT LSNSVFTFSY KKAQRDLAYK PLYSWEEAKQ KTVEWVGS SLV DRHKETLKSK TQ 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

Grade: custom-made

Target Details

Target: HSD3B2

Alternative Name: HSD3B2 ([HSD3B2 Products](#))

Background: 3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type 2 (3 beta-hydroxysteroid dehydrogenase/Delta 5-->4-isomerase type II) (3-beta-HSD II) (3-beta-HSD adrenal and gonadal type) [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. {ECO:0000269|PubMed:1741954}.

Molecular Weight: 42.1 kDa

UniProt: [P26439](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D, Steroid Hormone Biosynthesis](#)

Application Details

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