

Datasheet for ABIN7561394
HSD3B7 Protein (AA 1-369) (His tag)



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Overview

Quantity:	1 mg
Target:	HSD3B7
Protein Characteristics:	AA 1-369
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSD3B7 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Hsd3b7 Protein expressed in mammalien cells.
Sequence:	<p>MADSAQVPTL VYLVTTGGCGF LGEHIVRMLL EREPRLREL R VFDLHLSSWL EELKAGPVQV TAIQGDVTQA HEVAAAMSGS HVVIHTAGLV DVFGKASPKT IHKVNQGTQ NVIDACVQTG TQYLVTSSM EVVGPNIKGH PFYRGNEPTP YEAVHSHYPY CSKALAEQLV LEANGRKVNG GLPLVTCALR PTGIYGEHQ VMRDFYYQGL RFGGRLFRV PASVEHGRVY VGNVAWMHIL VARELEQRAA LMGGQVYFCY DKSPYKSYED FNMEFLSPCG LRLGAHPLL PYWLLVLLAT LNALLQWLLR PLVLYTPLLN PYTLAMANTT FTVSTNKAQR HFGYKPLFSW EESRTRTIQW VQAMEGSAR</p> <p>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.</p>
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:	HSD3B7
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Alternative Name:	Hsd3b7 (HSD3B7 Products)
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Background:	<p>3 beta-hydroxysteroid dehydrogenase type 7 (3 beta-hydroxysteroid dehydrogenase type VII) (3-beta-HSD VII) (3-beta-hydroxy-Delta(5)-C27 steroid oxidoreductase) (C(27) 3-beta-HSD) (EC 1.1.1.-) (Cholest-5-ene-3-beta,7-alpha-diol 3-beta-dehydrogenase) (EC 1.1.1.181),FUNCTION: The 3-beta-HSD enzymatic system plays a crucial role in the biosynthesis of all classes of hormonal steroids. HSD VII is active against four 7-alpha-hydroxylated sterols. Does not metabolize several different C(19/21) steroids as substrates. Involved in bile acid synthesis (PubMed:11067870). Plays a key role in cell positioning and movement in lymphoid tissues by mediating degradation of 7-alpha,25-dihydroxycholesterol (7-alpha,25-OHC): 7-alpha,25-OHC acts as a ligand for the G protein-coupled receptor GPR183/EBI2, a chemotactic receptor for a number of lymphoid cells (PubMed:22999953). {ECO:0000269 PubMed:11067870, ECO:0000269 PubMed:22999953}.</p>
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Molecular Weight:	41.1 kDa
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UniProt:	Q9EQC1
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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.
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Restrictions:	For Research Use only
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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