

Datasheet for ABIN7547099

HSD17B2 Protein (AA 1-387) (His tag)



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3 Images

Overview

Quantity:	1 mg
Target:	HSD17B2
Protein Characteristics:	AA 1-387
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSD17B2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant HSD17B2 Protein expressed in mammalian cells.
Sequence:	<p>MSTFFSDTAW ICLAVPTVLC GTVFCKYKKS SGQLWSWMVC LAGLCVCLL ILSPFWGLIL FSVSCFLMYT YLSGQELLPV DQKAVLVTGG DCGLGHALCK YLDELGFTVF AGVLNENGP AEELRRTCSP RLSVLQMDIT KPVQIKDAYS KVAAMLQDRG LWAVINNAGV LGFPTDGELL LMTDYKQCMA VNFFGTVEVT KTFLLPLRKS KGRLVNVSSM GGGAPMERLA SYGSSKAAVT MFSSVMRLEL SKWGIKVASI QPGGFLTNI A GTSDKWEKLE KDILDHLP AE VQEDYGQDYI LAQRNLLLLI NSLASKDFSP VLRDIQHAIL AKSPFAYYTP GK GAYLWICL AHYLPIGIYD YFAKRHFGQD KPMPRALRMP NYKKKAT</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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
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Grade:	custom-made
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Target Details

Target:	HSD17B2
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Alternative Name:	HSD17B2 (HSD17B2 Products)
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Background:	<p>17-beta-hydroxysteroid dehydrogenase type 2 (17-beta-HSD 2) (20 alpha-hydroxysteroid dehydrogenase) (20-alpha-HSD) (E2DH) (Estradiol 17-beta-dehydrogenase 2) (EC 1.1.1.62) (Microsomal 17-beta-hydroxysteroid dehydrogenase) (Short chain dehydrogenase/reductase family 9C member 2) (Testosterone 17-beta-dehydrogenase) (EC 1.1.1.239),FUNCTION: Catalyzes the NAD-dependent oxidation of the highly active 17beta-hydroxysteroids, such as estradiol (E2), testosterone (T), and dihydrotestosterone (DHT), to their less active forms and thus regulates the biological potency of these steroids. Oxidizes estradiol to estrone, testosterone to androstenedione, and dihydrotestosterone to 5alpha-androstan-3,17-dione. Also has 20-alpha-HSD activity. {ECO:0000269 PubMed:10385431, ECO:0000269 PubMed:11940569, ECO:0000269 PubMed:8099587}.</p>
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Molecular Weight:	42.8 kDa
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UniProt:	P37059
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Target Details

Pathways: [Steroid Hormone Biosynthesis](#)

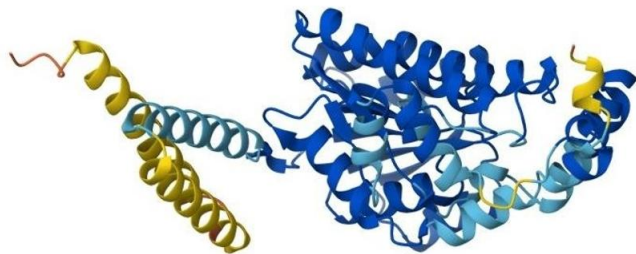
Application Details

Application Notes:	We expect the protein to work for functional studies. 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

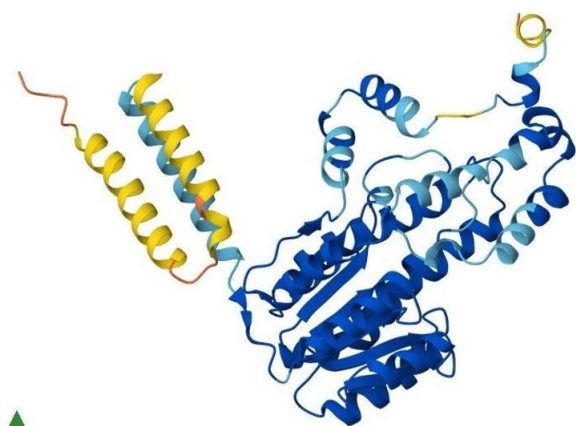
Images



Protein Structure

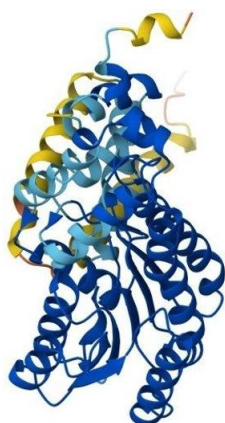
Image 1. AlphaFold protein structure prediction of Human Recombinant HSD17B2 Protein, UniprotID P37059





Protein Structure

Image 2. AlphaFold protein structure prediction of Human Recombinant HSD17B2 Protein, UniprotID P37059



Protein Structure

Image 3. AlphaFold protein structure prediction of Human Recombinant HSD17B2 Protein, UniprotID P37059