

Datasheet for ABIN7547087  
**HSD17B7 Protein (AA 1-341) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	HSD17B7
Protein Characteristics:	AA 1-341
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSD17B7 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat HSD17B7 Protein expressed in mammalien cells.
Sequence:	MRKVVLTGA SSGIGLALCK RLLAEDDELH LCLACRNMSK AEAVCAALLA SHPTA EVTIV QVDVSNLQSV FRASKELKQR FQRLDCIYLN AGIMPNPQLN IKALFFGLFS RKVIHMFSTA EGLLTQGDKI TADGLQEVFE TNVFGHFILI RELEPLLCHS DNPSQLIWTS SRSARKSNFS LEDFQHSGKG EPYSSSKYAT DLLSVALNRN FNQQGLYSNV ACPGTALTNL TYGILPPFIW TLLMPAILLL RFFANAFTLT PYNGTEALVW LFHQKPESLN PLIKYLSATT GFGRNYIMTQ KMDLDEDTAE KFYQKLELE KHIRVTIQKT DNQARLSGSC L <b>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.</b>
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:	HSD17B7
---------	---------

---

Alternative Name:	HSD17B7 ( <a href="#">HSD17B7 Products</a> )
-------------------	--

---

Background:	<p>3-keto-steroid reductase/17-beta-hydroxysteroid dehydrogenase 7 (17-beta-hydroxysteroid dehydrogenase 7) (17-beta-HSD 7) (3-keto-steroid reductase) (EC 1.1.1.270) (Dihydrotestosterone oxidoreductase) (EC 1.1.1.210) (Estradiol 17-beta-dehydrogenase 7) (EC 1.1.1.62) (Short chain dehydrogenase/reductase family 37C member 1),FUNCTION: Bifunctional enzyme involved in steroid-hormone metabolism and cholesterol biosynthesis (PubMed:12574203, PubMed:12732193, PubMed:12829805, PubMed:20659585, PubMed:19772289, PubMed:11165030). Catalyzes the NADP(H)-dependent reduction of estrogens and androgens and regulates the biological potency of these steroids. Converts estrone (E1) to a more potent estrogen, 17beta-estradiol (E2) (PubMed:12574203, PubMed:12732193, PubMed:19772289). Converts dihydrotestosterone (DHT) to its inactive form 5a-androstane-3b,17b-diol (PubMed:12574203, PubMed:12732193, PubMed:19772289). Converts moderately progesterone to 3beta-hydroxypregn-4-ene-20-one, leading to its inactivation (PubMed:12574203, PubMed:12732193). Additionally, participates in the post-squalene cholesterol biosynthesis, as a 3-ketosteroid reductase (PubMed:12829805,</p>
-------------	---

---

## Target Details

---

PubMed:20659585, PubMed:11165030). {ECO:0000269|PubMed:11165030, ECO:0000269|PubMed:12574203, ECO:0000269|PubMed:12732193, ECO:0000269|PubMed:12829805, ECO:0000269|PubMed:19772289, ECO:0000269|PubMed:20659585}., FUNCTION: [Isoform 3]: Does not have enzymatic activities toward E1 and DHT. {ECO:0000269|PubMed:12732193}.

Molecular Weight: 38.2 kDa

UniProt: [P56937](#)

Pathways: [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