

## Product datasheet

# Recombinant Human HSD17B8 protein ab105611

1 Image

### Description

<b>Product name</b>	Recombinant Human HSD17B8 protein
<b>Purity</b>	> 95 % SDS-PAGE. Purified using conventional chromatography.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>Q92506</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<b>MGSSHHHHHH SSGLVPRGSH</b> MASQLQNRLR SALALVTGAG SGIGRAVSVR LAGEGATVAA CDLDRAAAQE TVRLLGGPGS KEGPPRGNHA AFQADVSEAR AARCLLEQVQ ACFSRPPSVV VSCAGITQDE FLLHMSEDDW DKVIAVNLKG TFLVTQAAAQ ALVSNGCRGS IINISSIVGK VGNVGQTNYA ASKAGVIGLT QTAARELGRH GIRCNSVLPG FIATPMTQKV PQKVVDKITE MIPMGHLGDP EDVADVVAFL ASEDSGYITG TSVEVTGGLF M
<b>Predicted molecular weight</b>	29 kDa including tags
<b>Amino acids</b>	1 to 261
<b>Tags</b>	His tag N-Terminus

### Specifications

Our **Abpromise guarantee** covers the use of **ab105611** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

## Preparation and Storage

### Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.316% Tris HCl, 40% Glycerol (glycerin, glycerine), 0.87% Sodium chloride

## General Info

### Function

NAD-dependent 17-beta-hydroxysteroid dehydrogenase with highest activity towards estradiol. Has very low activity towards testosterone. The heterotetramer with CBR4 has NADH-dependent 3-ketoacyl-acyl carrier protein reductase activity. May play a role in biosynthesis of fatty acids in mitochondria.

### Tissue specificity

Highly expressed in placenta, liver and pancreas, lower in the skeletal muscle and kidney. Widely expressed.

### Pathway

Steroid biosynthesis; estrogen biosynthesis.  
Lipid metabolism; fatty acid biosynthesis.

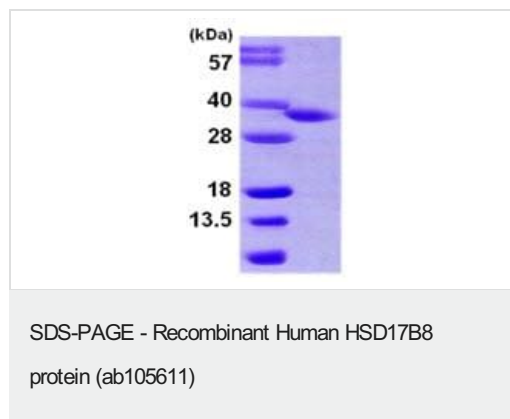
### Sequence similarities

Belongs to the short-chain dehydrogenases/reductases (SDR) family.

### Cellular localization

Mitochondrion matrix.

## Images



15% SDS PAGE analysis of ab105611 (3 µg).

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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