

Product datasheet

Recombinant Human HSD3B1 protein ab158702

1 Image

Description

Product name	Recombinant Human HSD3B1 protein	
Expression system	Wheat germ	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MTGWSCLVTGAGGFLGQRIIRLLVKEKELKEIRVLDKA FGPELREEFSKL QNKTKLTVLEGDILDEPFLKACQDVSVIIIHTACIIDVFG VTHRESIMNV NVKGTQLLEACVQASVPVFIYTSSIEVAGPNSYKEIQN GHEEEPLENT WPAPYPHSKKLAEKAVLAANGWNLKNGGTLTALR PMYIYGEGRFLSA SINEALNNGILSSVGKFSTVNPVYGNVAWAHILALRA LQDPKKAPSIR GQFYISDDTPHQSYDNLNYLSKEFGLRLDSRWSFPL SLMYWIGFLEI VSFLLRPITYRPPFNRHIVTLSNSVFTFSYKKAQRDLAY KPLYSWEEAK QKTVEWVGSLVDRHKENLKSQTQ	
Amino acids	1 to 373	
Tags	GST tag N-Terminus	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab158702** in the following tested applications.

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

Applications	ELISA
	Western blot

Form	Liquid
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Additional notes

Preparation and Storage

Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

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. Efficiently catalyzes the transformation of pregnenolone to progesterone, 17-alpha-hydroxypregnenolone to 17-alpha-hydroxyprogesterone, DHEA to 4-androstenedione, dihydrotestosterone to 5-alpha-androstane-3 beta,17 beta-diol, dehydroepiandrosterone to androstenedione and 5-alpha-androstan-3 beta,17 beta-diol to 5-alpha-dihydrotestosterone.

Tissue specificity

Placenta and skin. Predominantly expressed in mammary gland tissue.

Pathway

Lipid metabolism; steroid biosynthesis.

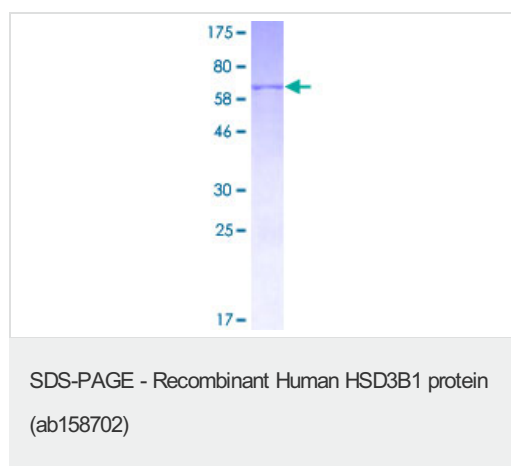
Sequence similarities

Belongs to the 3-beta-HSD family.

Cellular localization

Endoplasmic reticulum membrane. Mitochondrion membrane.

Images



ab158702 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

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