

## Product datasheet

# Recombinant Human SRD5A2 protein ab114946

1 Image

### Overview

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**Product name** Recombinant Human SRD5A2 protein

**Protein length** Protein fragment

### Description

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**Nature** Recombinant

**Source** Wheat germ

### Amino Acid Sequence

**Accession** [P31213](#)

**Species** Human

**Sequence** AKPSGYGKHTESLKPAATRLPARAAWFLQELPSFAVPA

**Molecular weight** 30 kDa including tags

**Amino acids** 28 to 65

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab114946** in the following tested applications.

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

**Applications**

- ELISA
- SDS-PAGE
- Western blot

**Form** Liquid

**Additional notes** Protein concentration is above or equal to 0.05 mg/ml.  
Best used within three months from the date of receipt.

### Preparation and Storage

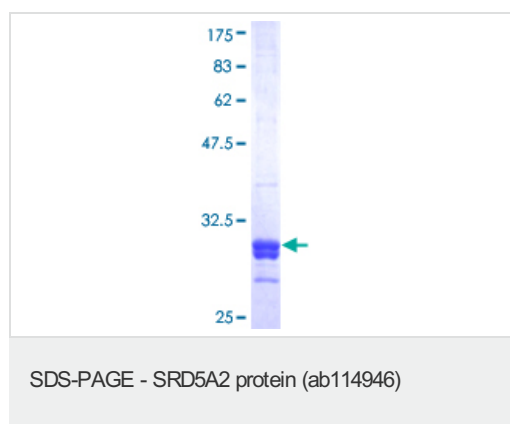
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**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.  
pH: 8.00  
Constituents: 0.3% Glutathione, 0.79% Tris HCl

## General Info

<b>Function</b>	Converts testosterone (T) into 5-alpha-dihydrotestosterone (DHT) and progesterone or corticosterone into their corresponding 5-alpha-3-oxosteroids. It plays a central role in sexual differentiation and androgen physiology.
<b>Tissue specificity</b>	Expressed in high levels in the prostate and many other androgen-sensitive tissues.
<b>Involvement in disease</b>	Defects in SRD5A2 are the cause of pseudovaginal perineoscrotal hypospadias (PPSH) [MIM:264600]. A form of male pseudohermaphroditism in which 46,XY males show ambiguous genitalia at birth, including perineal hypospadias and a blind perineal pouch, and develop masculinization at puberty. The name of the disorder stems from the finding of a blind-ending perineal opening resembling a vagina and a severely hypospadiac penis with the urethra opening onto the perineum.
<b>Sequence similarities</b>	Belongs to the steroid 5-alpha reductase family.
<b>Cellular localization</b>	Microsome membrane. Endoplasmic reticulum membrane.

## Images



12.5% SDS-PAGE showing ab114946 at approximately 29.81kDa.  
Stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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