

Product datasheet

Recombinant Human SRD5A2 protein ab114946

[1 Image](#)

Description

Product name	Recombinant Human SRD5A2 protein
Expression system	Wheat germ
Accession	<u>P31213</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	AKPSGYGKHTESLKPAATRLPARAAWFLQELPSFAVPA
Predicted molecular weight	30 kDa including tags
Amino acids	28 to 65

Specifications

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

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: 0.3% Glutathione, 0.79% Tris HCl
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General Info

Function	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
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differentiation and androgen physiology.

Tissue specificity

Expressed in high levels in the prostate and many other androgen-sensitive tissues.

Involvement in disease

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.

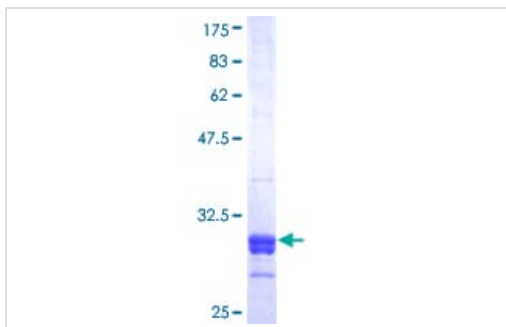
Sequence similarities

Belongs to the steroid 5-alpha reductase family.

Cellular localization

Microsome membrane. Endoplasmic reticulum membrane.

Images



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

SDS-PAGE - Recombinant Human SRD5A2 protein (ab114946)

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

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