

Product datasheet

Recombinant Human SRD5A2 protein ab114946

1 Image

Overview

Product name	Recombinant Human SRD5A2 protein
Protein length	Protein fragment

Description

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

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.

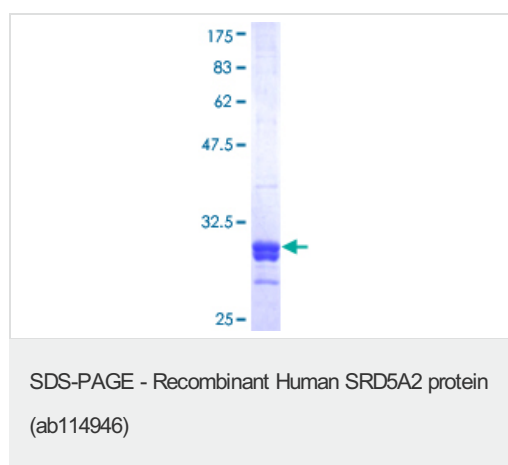
Preparation and Storage

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 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.

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