

Datasheet for ABIN7550843

SRD5A3 Protein (AA 1-318) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SRD5A3
Protein Characteristics:	AA 1-318
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SRD5A3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SRD5A3 Protein expressed in mammalian cells.
Sequence:	<p>MAPWAEAEHS ALNPLRAVWL TLTA AFLTL LLQLLPGLL PGCAIFQDLI RYGKTKCGEP</p> <p>SRPAACRAFD VPKRYFSHFY IISVLWNGFL LWCLTQSLFL GAPFPSWLHG LLRILGAAQF</p> <p>QGGELALSAF LVLVFLWLHS LRRLFECLYV SVFSNVMIHV VQYCFGLVYY VLVGLTVLSQ</p> <p>VPMDGRNAYI TGKNLLMQAR WFHILGMMMFWSSAHQYKC HVILGNLRKN KAGVVIHCNH</p> <p>RIPFGDWFEY VSSPNYLAEL MIYVSMVTF GFHNLTWWLV VTNVFFNQAL SAFLSHQFYK</p> <p>SKFVSYPKHR KAFLPFLF Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SRD5A3
Alternative Name:	SRD5A3 (SRD5A3 Products)
Background:	<p>Polyprenol reductase (EC 1.3.1.94) (3-oxo-5-alpha-steroid 4-dehydrogenase 3) (EC 1.3.1.22) (Steroid 5-alpha-reductase 2-like) (Steroid 5-alpha-reductase 3) (S5AR 3) (SR type 3),FUNCTION: Plays a key role in early steps of protein N-linked glycosylation by being required for the conversion of polyprenol into dolichol (PubMed:20637498). Dolichols are required for the synthesis of dolichol-linked monosaccharides and the oligosaccharide precursor used for N-glycosylation (PubMed:20637498). Acts as a polyprenol reductase that promotes the reduction of the alpha-isoprene unit of polyprenols into dolichols in a NADP-dependent mechanism (PubMed:20637498). Also able to convert testosterone (T) into 5-alpha-dihydrotestosterone (DHT) (PubMed:17986282, PubMed:26855069).</p> <p>{ECO:0000269 PubMed:17986282, ECO:0000269 PubMed:20637498, ECO:0000269 PubMed:26855069}.</p>
Molecular Weight:	36.5 kDa
UniProt:	Q9H8P0

Target Details

Pathways: [Metabolism of Steroid Hormones and Vitamin D, Steroid Hormone Biosynthesis](#)

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months