

Datasheet for ABIN7545929

SRD5A1 Protein (AA 1-259) (His tag)



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Overview

Quantity:	1 mg
Target:	SRD5A1
Protein Characteristics:	AA 1-259
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SRD5A1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat SRD5A1 Protein expressed in mammalien cells.
Sequence:	MATATGVAEE RLLAALAYLQ CAVGCAVFAR NRQTNSVYGR HALPSHRLRV PARAAWVVQE LPSLALPLYQ YASESAPRLR SAPNCILLAM FLVHYGHRCL IYPFLMRGGK PMPLLACTMA IMFCTCNGYL QSRYLSCAV YADDWVTDPR FLIGFGLWLT GMLINIHS DH ILRNLRKPGD TGYKIPRGGL FEYVTAANYF GEIMEWCGYA LASWSVQGAA FAFTFCFLS GRAKEHHEWY LRKFEEYPKF RKIIIPFLF 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.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and

Product Details

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, Western Blot

Grade: custom-made

Target Details

Target: SRD5A1

Alternative Name: SRD5A1 ([SRD5A1 Products](#))

Background: 3-oxo-5-alpha-steroid 4-dehydrogenase 1 (EC 1.3.1.22) (SR type 1) (Steroid 5-alpha-reductase 1) (S5AR 1),FUNCTION: Converts testosterone into 5-alpha-dihydrotestosterone and progesterone or corticosterone into their corresponding 5-alpha-3-oxosteroids. It plays a central role in sexual differentiation and androgen physiology. {ECO:0000269|PubMed:2339109}.

Molecular Weight: 29.5 kDa

UniProt: [P18405](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#), [Steroid Hormone Biosynthesis](#), [Response to Growth Hormone Stimulus](#), [C21-Steroid Hormone Metabolic Process](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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