

Datasheet for ABIN7561788
RDH11 Protein (AA 1-316) (His tag)



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Overview

Quantity:	1 mg
Target:	RDH11
Protein Characteristics:	AA 1-316
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RDH11 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Rdh11 Protein expressed in mammalian cells.
Sequence:	MFGFLLLLSL PFILYLVTPK IRKMLSSGVC TSNVQLPGKV AIVTGANTGI GKETAKDLAQ RGARVYLACR DVDKGELAAR EIQAVTGNSSQ VFVRKLDLAD TKSIRAFKAD FLAEEKHLHL LINNAGVMMC PYSKTADGFE MHIGVNHHLGH FLLTHLLEK LKESAPSRIV NLSSLGHHLG RIHFHNLQGE KFYSAGLAYC HSKLANILFT KELAKRLKGS GVTTYSVHPG TVHSELTRY SIMRWLWQLF FVFIKTPQEG AQTSLYCALT EGLESLSGSH FSDCQLAWVS YQGRNEIAR RLWDVSCDLL GLPVDW 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.
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)
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Grade:	custom-made
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Target Details

Target:	RDH11
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Alternative Name:	Rdh11 (RDH11 Products)
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Background:	<p>Retinol dehydrogenase 11 (EC 1.1.1.300) (Androgen-regulated short-chain dehydrogenase/reductase 1) (Cell line MC/9.IL4-derived protein 1) (M42C60) (Prostate short-chain dehydrogenase/reductase 1) (Retinal reductase 1) (RalR1) (Short-chain aldehyde dehydrogenase) (SCALD),FUNCTION: Retinol dehydrogenase with a clear preference for NADP (PubMed:12807874, PubMed:29567832). Displays high activity towards 9-cis, 11-cis and all-trans-retinol, and to a lesser extent on 13-cis-retinol (By similarity) (PubMed:12807874). Exhibits also reductive activity towards toxic lipid peroxidation products such as medium-chain aldehydes trans-2-nonenal, nonanal, and cis-6-nonenal (PubMed:12807874). Has no dehydrogenase activity towards steroid (PubMed:12807874). Seems to be required for homeostasis of retinol in liver and testis (PubMed:29567832).</p> <p>{ECO:0000250 UniProtKB:Q8TC12, ECO:0000269 PubMed:12807874, ECO:0000269 PubMed:29567832}.</p>
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Molecular Weight:	35.1 kDa
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UniProt:	Q9QYF1
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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
