

Datasheet for ABIN7551318
RDH11 Protein (AA 1-318) (His tag)



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Overview

Quantity:	1 mg
Target:	RDH11
Protein Characteristics:	AA 1-318
Origin:	Human
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:	MVELMFPLLL LLLPFLLYMA APQIRKMLSS GVCTSTVQLP GKVVVVVTGAN TGIGKETAKE LAQRGARVYL ACRDVEKGEL VAKEIQTTTG NQQVLRKLD LSDTKSIRAF AKGFLAEEKH LHVLINNAGV MMCPYSKTAD GFEMHIGVNH LGHFLLTHLL LEKLIKESAPS RIVNVSSLAH HLGRIHFHNL QGEKFYNAGL AYCHSKLANI LFTQELARRL KGSGVTTYSV HPGTVQSELV RHSSFMRWMW WLFSFFIKTP QQGAQTSLHC ALTEGLEILS GNHFSDCHVA WWSAQARNET IARRLWDVSC DLLGLPID 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) (HCV core-binding protein HCBP12) (Prostate short-chain dehydrogenase/reductase 1) (Retinal reductase 1) (RalR1) (Short chain dehydrogenase/reductase family 7C member 1),FUNCTION: Retinol dehydrogenase with a clear preference for NADP. Displays high activity towards 9-cis, 11-cis and all-trans-retinol, and to a lesser extent on 13-cis-retinol (PubMed:12226107, PubMed:12036956, PubMed:29410696). Exhibits a low reductive activity towards unsaturated medium-chain aldehydes such as cis -6-nonenal and no activity toward nonanal or 4-hydroxy-nonenal (PubMed:15865448). Has no dehydrogenase activity towards steroid (PubMed:12226107, PubMed:12036956).</p> <p>{ECO:0000269 PubMed:12036956, ECO:0000269 PubMed:12226107, ECO:0000269 PubMed:15865448, ECO:0000269 PubMed:29410696}.</p>
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Molecular Weight:	35.4 kDa
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UniProt:	Q8TC12
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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
