

Datasheet for ABIN7552030

ADH4 Protein (AA 1-380) (His tag)



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Overview

Quantity:	1 mg
Target:	ADH4
Protein Characteristics:	AA 1-380
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ADH4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ADH4 Protein expressed in mammalian cells.
Sequence:	MGTKGKVIKC KAAIAWEAGK PLCIEEVEVA PPKAHEVRIQ IIATSLCHTD ATVIDSKFEG LAFPVIVGHE AAGIVESIGP GVTNVKPGDK VIPLYAPLCR KCKFCLSPLT NLCKGISNLK SPASDQQLME DKTSRFTCKG KPVYHFFGTS TFSQYTVVSD INLAKIDDDA NLERVCLLGC GFSTGYGAAI NNAKVTPGST CAVFGLGGVG LSAVMGCKAA GASRIIGIDI NSEKFVKAKA LGATDCLNPR DLHKPIQEV IELTKGGVDF ALDCAGGSET MKAALDCTTA GWGSCTFIGV AAGSKGLTIF PEELIIGRTI NGTFFGGWKS VDSIPKLVD YKNKKFNLDA LVTHTLPFDK ISEAFDLMNQ GKSVRTILIF 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:

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, Western Blot
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Grade:	custom-made
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Target Details

Target:	ADH4
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Alternative Name:	ADH4 (ADH4 Products)
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Background:	All-trans-retinol dehydrogenase [NAD(+)] ADH4 (EC 1.1.1.105) (Alcohol dehydrogenase 2) (Alcohol dehydrogenase 4) (Alcohol dehydrogenase class II pi chain),FUNCTION: Catalyzes the NAD-dependent oxidation of either all-trans-retinol or 9-cis-retinol (PubMed:17279314). Also oxidizes long chain omega-hydroxy fatty acids, such as 20-HETE, producing both the intermediate aldehyde, 20-oxoarachidonate and the end product, a dicarboxylic acid, (5Z,8Z,11Z,14Z)-eicosatetraenedioate (PubMed:16081420). Also catalyzes the reduction of benzoquinones (PubMed:10514444). {ECO:0000269 PubMed:10514444, ECO:0000269 PubMed:16081420, ECO:0000269 PubMed:17279314}.
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Molecular Weight:	40.2 kDa
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UniProt:	P08319
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Pathways:	Transition Metal Ion Homeostasis
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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.
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Restrictions:	For Research Use only
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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