

## ADH2 Protein, Arabidopsis thaliana, Recombinant (His)

## General Information

|                       |   |
|-----------------------|---|
| Synonyms:             | S-(hydroxymethyl)glutathione dehydrogenase;Alcohol dehydrogenase class-3;GSNOR;ADH2;Alcohol dehydrogenase class-III;Glutathione-dependent formaldehyde dehydrogenase (FALDH;FDH;GSH-FDH);FDH1;Nitrosoglutathione reductase;ADHIII   |
| Protein Construction: | 2-379 aa  |
| Species:              | Arabidopsis thaliana  |
| Expression Host:      | E. coli   |
| Accession:            | Q96533  |
| Molecular Weight:     | 44.7 kDa (predicted)  |
| AA Sequence:          | ATQGQVITCKAAVAYEPNKPLVIEDVQVAPPQAGEVRIKILYALCHTDAYTWSGKDPEGLFPCILGHEAAGIV<br>ESVGEVTEVQAGDHFVPCYQAECRECKFKCKSGKTNLCGKVRSATGVGIMMNDKRSRFSVNGKPIYHFMGTS<br>TFSQYTVVHDSVAKIDPTAPLDKVCLLGCGVPTGLGAVWNTAKVEPGSNVAIFGLGTVGLAVAEGAKTAGA<br>SRIIGIDIDSKKYETAKKFGVNEFVNPDKDHDKPIQEVIVDLTDGGVDYSFECIGNVSMRAALECCHKGWGTSVI<br>VGVAASGQEISTRPFQLVTGRVWKGTAFFGGFKSRTQVPWLVEKYMNKEIKVDEYITHNLTLGEINKAFDLLHE<br>GTCLRCVLDTSK |

## QC Testing

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|----------------------|---|
| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity:              | > 90% as determined by SDS-PAGE.  |
| Endotoxin:           | < 1.0 EU/μg of the protein as determined by the LAL method.   |
| Formulation:         | Tris-based buffer, 50% glycerol   |

## Preparation and Storage

## Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

## Stability &amp; Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

## Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

## Protein Background

## A DRUG SCREENING EXPERT

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Plays a central role in formaldehyde detoxification.

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