

## Recombinant Human ADH1B Protein (S2-F375), Tag Free

**Cat. No.** ADH1B-0248H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Recombinant Human adh2(S2-F375 end)(human) Protein was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | S2-F375                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | Catalyzes the NAD-dependent oxidation of all-trans-retinol and its derivatives such as all-trans-4-hydroxyretinol and may participate in retinoid metabolism. In vitro can also catalyzes the NADH-dependent reduction of all-trans-retinal and its derivatives such as all-trans-4-oxoretinal. Catalyzes in the oxidative direction with higher efficiency. Has the same affinity for all-trans-4-hydroxyretinol and all-trans-4-oxoretinal. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Endotoxin</b>        | < 0.01 EU per µg of the protein                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | 90%                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                           |

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|                       |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| <b>Storage Buffer</b> | Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol |
|-----------------------|-----------------------------------------------------------------------|

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| <b>Shipping</b> | It is shipped out with blue ice. |
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## GENE INFORMATION

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| <b>Gene Name</b> | ADH1B alcohol dehydrogenase 1B (class I), beta polypeptide [ Homo sapiens (human) ] |
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|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | ADH1B |
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| <b>Synonyms</b> | ADH1B; alcohol dehydrogenase 1B (class I), beta polypeptide; ADH2; alcohol dehydrogenase 1B; ADH, beta subunit; aldehyde reductase; alcohol dehydrogenase subunit beta; alcohol dehydrogenase 2 (class I), beta polypeptide; |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                |     |
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| <b>Gene ID</b> | 125 |
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| <b>mRNA Refseq</b> | NM_000668 |
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| <b>Protein Refseq</b> | NP_000659 |
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|                   |        |
|-------------------|--------|
| <b>UniProt ID</b> | P00325 |
|-------------------|--------|

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