



# Recombinant Rat Alcohol dehydrogenase 6 (Adh6)

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| <b>Product Code</b>      | CSB-EP733412RA-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Abbreviation</b>      | Adh6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                                                                                              |
| <b>Uniprot No.</b>       | Q5XI95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Sequence</b>          | MGTQGKVICR KATVLWKPGA PLAIEEIEVA PPKAKEVRIK MVATGVCSTD<br>IKHLDLQELS KFCPMIMGHE GVGIVESVGE GVSSVRTGDK VILLIPQCG<br>ECKTCLNSKN NICTEIRLSK THLASEGTSR ITCKGKLVHQ YIALGSFSEY<br>TVLKEISVAK IDEGAPLEKV CIIGCGFATG YGAAINSAGV TPGSTCAVFG<br>LGGVGLSVII GCKAAGAARI IAVDINKDRF AKAKTVGATD CVDPRDFEKP<br>IEEVLSMDID GGVDFCFEVT GNTEAVGAAL GSCHKDHGVC VTVGALASFT<br>STLSIRSHLF FSGRILKGSF LGGWKTKEEI PKLVSDYMAK KFNIDPLITH<br>TLTLSEANEA VQLMKSGQCI RCVLLL                                                                                                                               |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Target Names</b>      | Adh6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Names</b>     | Recommended name: Alcohol dehydrogenase 6 EC= 1.1.1.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Expression Region</b> | 1-376                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Length</b>    | full length protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Target Details</b>    | This gene encodes class V alcohol dehydrogenase, which is a member of the alcohol dehydrogenase family. Members of this family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. This gene is expressed in the stomach as well as in the liver, and it contains a glucocorticoid response element upstream of its 5' UTR, which is a steroid hormone receptor binding site. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final                                                                                                                                                                                                                                            |



concentration of glycerol is 50%. Customers could use it as reference.

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### **Shelf Life**

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