



Recombinant Rat Alcohol dehydrogenase 4 (Adh4)

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|--------------------------|---|
| Product Code | CSB-YP714497RA |
| Abbreviation | Adh4 |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. 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. |
| Uniprot No. | Q64563 |
| Product Type | Recombinant Protein |
| Immunogen Species | Rattus norvegicus (Rat) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | MGTQGKVIC KAAIAWKTDS PLCIEEIEVS PPKAHEVRIK VIATCVCPTD INATNPKKA LFPVVLGHEC AGIVESVGP VTNFKPGDKV IPFFAPQCKK CKLCLSPLTN LCGKLRNFYK PTIDQELMED RTSRFTSKER SIYHFMGVSS FSQYTVVSEA NLARVDDEAN LERVCLIGCG FTSGYGAIN TAKVTPGSAC AVFGLGCVGL SAVIGCKIAG ASRIIAIDIN SEKFPKAKAL GATDCLNPRD LDKPVQDVIT ELTGGGVDFS LDCAGTAQTL KAAVDCTVVG WGSCTVVGAK VDEMNIPTVD MILGRSVKGT FFGGWKSVDV VPNLVTDYKN KKFDLDDLVT HALPFDKIND AIDL MNQGKS IRTILTF |
| Source | Yeast |
| Target Names | Adh4 |
| Protein Names | Recommended name: Alcohol dehydrogenase 4 EC= 1.1.1.1 Alternative name(s): ADH2 Alcohol dehydrogenase class II Short name= Alcohol dehydrogenase II |
| Expression Region | 1-377 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | full length protein |
| Target Details | This gene encodes class II alcohol dehydrogenase 4 pi subunit, which is a member of the alcohol dehydrogenase family. Members of this enzyme family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. Class II alcohol dehydrogenase is a homodimer composed of 2 pi subunits. It exhibits a high activity for oxidation of long-chain aliphatic alcohols and aromatic alcohols and is less sensitive to pyrazole. This gene is localized to chromosome 4 in the cluster of alcohol dehydrogenase genes. |
| Reconstitution | 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.

Shelf Life

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