



Recombinant Rat Alcohol dehydrogenase 4 (Adh4)

Product Code	CSB-BP714497RA
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	MGTQGKVVTC KAAIAWKTDSPLCIEEIEVS PPKAHEVRIK VIATCVCPTD INATNPKKKA LFPVVLGHEC AGIVESVGPG VTNFKPGDKV IPFFAPQCKK CKLCLSPLTN LCGKLRNFKY PTIDQELMED RTSRFTSKER SIYHFMGVSS FSQYTVVSEA NLARVDDEAN LERVCLIGCG FTSGYGAAIN TAKVTPGSAC AVFGLGCVGL SAVIGCKIAG ASRIIAIDIN SEKFPKAKAL GATDCLNPRD LDKPVQDVIT ELTGGGVDFS LDCAGTAQTL KAAVDCTVVG WGSCTVVGAK VDEMNIISTVD MILGRSVKGT FFGGWKSVDSPVNLVTDYKN KKFDLDLLVT HALPFDKIND AIDLMNQGKS IRTILTF
Source	Baculovirus
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

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.