

## 32-2123: ADH1C Recombinant Protein

**Alternative Name :** Alcohol dehydrogenase 1C (class I) gamma polypeptide, Alcohol dehydrogenase subunit gamma, alcohol dehydrogenase 3 (class I) gamma polypeptide, ADH gamma subunit, aldehyde reductase, ADH3, EC 1.1.1.1, EC 1.1.1.

### Description

Source : E.coli. ADH1C Human Recombinant produced in E. coli is a single polypeptide chain containing 399 amino acids (1-375) and having a molecular mass of 42.4 kDa. ADH1C is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. ADH1C is a member of the zinc-containing alcohol dehydrogenase family which metabolizes a large assortment of substrates, such as ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. ADH1 is a monomeric and a key factor in fetal and infant livers, becoming less active in gestation and only weakly active during adulthood.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** The ADH1C solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 2mM DTT and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHH SSGLVPRGSH MGSHMSTAGK VIKCKAAVLW ELKKPFSIEE VEVAPPKAHE VRIKMVAAGI CRSDEHVVSGL NLVTPLPVIL GHEAAGIVES VGEGVTTVKP GDKVIPLFTP QCGKCRICKN PESNYCLKND LGNPRGTLQD GTRRFTCSGK PIHFFVGVST FSQYTVVDEN AVAKIDAASP LEKVCLIGCG FSTGYGSAVK VAKVTPGSTC AVFGLGGVGL SVVMGCKAAG AARIIAVDIN KDKFAKAKEL GATECINPQD YKKPIQEVK EMTDGGVDFS FEVIGRLDTM MASLLCCHEA CGTSVIVGVP PDSQNLSINP MLLLTGRTWK GAIFGGFKSK ESVPKLVADF MAKKFSLDAL ITNILPFEKI NEGFDLLRSG KSIRTVLTF.

