

## ADH1C Human

**Description:**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.

**Catalog #:**ENPS-629

For research use only.

**Synonyms:**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.

**Source:**E.coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSHMSTAGK VIKCKAAVLW  
ELKKPFSIEE VEVAPPKAHE VRIKMVAAGI CRSDEHVVSG NLVTPLPVIL GHEAAGIVES  
VGEGVTTVKP GDKVIPLFTP QCGKCRICKN PESNYCLKND LGNPRGTLQD GTRRFTCSGK  
PIHHFVGVST FSQYTVVDEN AVAKIDAAASP LEKVCLIGCG FSTGYGSAVK VAKVTPGSTC  
AVFGLGGVGL SV

**Purity:**Greater than 90% as determined by SDS-PAGE.

### Formulation:

The ADH1C solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 2mM DTT and 10% glycerol.

### Stability:

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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

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 monomorphic and a key factor in fetal and infant livers, becoming less active in gestation and only weakly active during adulthood.

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