

## ADH1A Human

**Description:** ADH1A Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 395 amino acids (1-375) and having a molecular mass of 42kDa. ADH1A is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-587

For research use only.

**Synonyms:** Alcohol dehydrogenase 1A, Alcohol dehydrogenase subunit alpha, ADH1A, ADH1.

**Source:** E.coli.

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

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MSTAGKVIKC KAAVLWELKK  
PFSIEEVEVA PPKAHEVRIK MVAVGICGTD DHVVS GMTMT PLPVILGHEA AGIVESVGEG  
VTTVKPGDKV IPLAIPQCGK CRICKNPESN YCLKNDVSNP QGTLQDGT SR FTCRRKPIHH  
FLGISTFSQY TVVDENAVAK IDAASPLEKV CLIGCGFSTG YGSAVNVAKV TPGSTCAVFG  
LGGVGLSAIM GC

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

**Formulation:**

The ADH1A solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.

**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:**

Alcohol dehydrogenase 1A (ADH1A) is a member of the alcohol dehydrogenase family. ADH1A has a key role in ethanol metabolism. ADH1A along with coenzyme NAD catalyzes the reversible conversion of organic alcohols to ketones or aldehydes. The physiologic function of ADH1A in the liver is the elimination of ethanol formed by microorganisms in the intestinal tract. ADH1A is monomeric and predominant in fetal and infant livers, growing to be less active in gestation and only weakly active during adulthood.

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