

32-6646: ADH1A Human, sf9

Alternative Name : ADH1A, Alcohol dehydrogenase 1A, Alcohol dehydrogenase 1A, Alcohol dehydrogenase subunit alpha, ADH1.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered clear solution.

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 monomorphous and predominant in fetal and infant livers, growing to be less active in gestation and only weakly active during adulthood.

ADH1A Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 381 amino acids (1-375) and having a molecular mass of 40.6kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).ADH1A is fused to a 6 amino acid IgG His-Tag at C-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 95.0% as determined by analysis by SDS-PAGE.

Content : ADH1A protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) 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 : MSTAGKVIKC KAAVLWELKK PFSIEEVEVA PPKAHEVRIK MVAVGICGTD DHVMSGTMVT PLPVILGHEA AGIVESVGEV VTTVKPGDKV IPLAIPQCGK CRICKNPESN YCLKNDVSNP QGTLQDGTSR FTCRRKPIHH FLGISTFSQY TVVDENAVAK IDAASPLEKV CLIGCGFSTG YGSAVNVAKV TPGSTCAVFG LGGVGLSAIM GCKAAGAARI IAVDINKDKF AKAKELGATE CINPQDYKPK IQEVLKEMTD GGVDIFSFEVI GRLDTMMASL LCCHEACGTS VIVGVPPDSQ NLSMNPMLLL TGRTWKGAIL GGFKSKECVP KLVADFMAKK FSLDALITHV LPFEKINEGF DLLHSGKSIR TILMFHHHHH H.