
Product Data Sheet

Product Name: ADH1C Human, sf9
 Cat. No.: GP21360
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ADH1; ADH1C; ADH3; Alcohol dehydrogenase 1C; Alcohol dehydrogenase subunit gamma.		
Amino Acid Sequence	MSTAGKVIKC KAAVLWELKK PFSIEEVEVA PPKAHEVRIK MVAAGICRS EHVVSGNLVT PLPVILGHEA AGIVESVGEG VTTVKPGDKV IPLFTPQCGK CRICKNPESN YCLKNDLGNP RGTLDGTRR FTCSGKPIHH FVGSTFSQY TVVDENAVAK IDAASPLEKV CLIGCGFSTG YGSAVKVAKV TPGSTCAVFG LGGVGLSVVM GCKAAGAARI IAVDINKDKF AKAKELGATE CINPQDYKKP IQEVLKEMTD GGVD FSFEVI GRLDTMMASL LCCHEACGTS VIVGVPPDSQ NLSINPMLLL TGRTWKGAIF GGFKSKESVP KLVADFMACK FSLDALITNI LPFEKINEGF DLLRSGKSIR TVLTFHHHHH H.		
Formulation	ADH1C protein solution (1mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

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.

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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ADH1C 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).ADH1C is fused to a 6 amino acid IgG His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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