
Product Data Sheet

Product Name: ADH6 Human
 Cat. No.: GP21362
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Alcohol dehydrogenase 6; ADH6; ADH-5.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMMSTTGQ VIRCKAAILW KPGAPFSIEE VEVAPPKAKE VRIKVVATGL CGTEMKVLGS KHLDLLYPTI LGHEGAGIVE SIGEGVSTVK PGDKVITLFL PQCGETSCL NSEGNFCIQF KQSKTQLMSD GTSRFTCKGK SIYHFGNTST FCEYTVIKEI SVAKIDAVAP LEKVCLISCG FSTGFGAAIN TAKVTPGSTC AVFGLGGVGL SVVMGCKAAG AARIIGVDVN KEKFKKAQEL GATECLNPQD LKKPIQEVLF DMTDAGIDFC FEIGNLDVL AAALASCNES YGVCVVVGVL PASVQLKISG QLFFSGRSLK GSVFGGWKS RQHIPKLVADY MAEKLNLDPD ITHTLNLDKI NEAVELMKTG KCIRCILL.		
Formulation	The ADH6 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 30% glycerol, 0.15M NaCl and 1mM DTT.		

Introduction

Alcohol dehydrogenase 6 (ADH6) belongs to the alcohol dehydrogenase family. Alcohol dehydrogenase family members metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. ADH6 is expressed in the stomach as well as in the liver, and it contains a glucocorticoid response element upstream of its 5' UTR, which is a steroid hormone receptor binding site.

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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ADH6 Human Recombinant produced E. coli is a single polypeptide chain containing 399 amino acids (1-375) and having a molecular mass of 42.4kDa. ADH6 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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