

Alcohol Dehydrogenase 1C Human Recombinant

Item Number	rAP-1028
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.
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.
Uniprot Accession Number	P00326
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGS HMSTAGK VIKCKAAVLW ELKKPFSIEE VEVAPPKAHE VRIKMVAAGI CRSDEHVVSGLNVTPLPVIL GHEAAGIVES VGEGVTTVKP GDKVIPLFTP QCGKCRICKN PESNYCLKND LGNPRGTLQD GTRRFTCSGK PIHFFVGVST FSQYTVVDEN AVAKIDAASP LEKVCLIGCG FSTGYGSAVK VAKVTPGSTC AVFGLGGVGL SVVMGCKAAG AARIIVDIN KDK- FAKAKEL GATECINPQD YKKPIQEV LK EMTDGGVDFS FEVIGRLDTM MASLLCCHEA CGTSVIVGVP PDSQNLSINP MLLLTGRTWK GAIFGGFKSK ESVPKLVADF MAKKFSLDAL ITNILPFEKI NEGFDLLRSG KSIRTVLTF.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The ADH1C solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 2mM DTT and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**