

Alcohol Dehydrogenase 1A Human Recombinant

Item Number	rAP-1022
Synonyms	Alcohol dehydrogenase 1A, Alcohol dehydrogenase subunit alpha, ADH1A, ADH1.
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.
Uniprot Accession Number	P07327
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MSTAGKVIKC KAAVLWELKK PFSIEEVEVA PPKAHEVRIK MVAVGICGTD DHVVS GMTMT PLPVILGHEA AGIVESVGEV VTTVKPGDKV IPLAIPQCGK CRICKNPESN YCLKNDVSNP QGTLQDGT SR FTCRRKPIHH FLGISTFSQY TVVDENAVAK IDAASP LEKV CLIGCGFSTG YGS AVNVAKV TPGSTCAVFG LGGVGLSAIM GCKAAGAARI IAVDINKDKF AKAKELGATE CINPQDYKKP IQEVLKEMTD GGVD FSFEVI GRLDTMMASL LCCHEACGTS VIVGVPPDSQ NLS- MNPMLLL TGRTWKGAIL GGFKSKECVP KLVADFMACK FSLDALITHV LPFEKINEGF DLLHSGKSIR TILMF.
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 ADH1A solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl. 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**