

## Alcohol Dehydrogenase 5 Human Recombinant

<b>Item Number</b>	rAP-1023
<b>Synonyms</b>	Alcohol dehydrogenase 5 (class III) chi polypeptide, Alcohol dehydrogenase class chi chain, Glutathione-dependent formaldehyde dehydrogenase, S-(hydroxymethyl) glutathione dehydrogenase, FDH, ADHX, ADH-3, FALDH, GSH-FDH, GSNOR, EC 1.1.1.1, EC 1.1.1.284.
<b>Description</b>	ADH5 Recombinant produced in E. coli is a single polypeptide chain containing 398 amino acids (1-374) and having a molecular mass of 42.3kDa. ADH5 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	P11766
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSHEMANEVI KCKAAVAWEA GKPLSIEEIE VAPPKAHEVR IKI-IATAVCH TDAYTLGAD PEGCFPVILG HEGAGIVESV GEGVTKLKAG DTVIPLYIPQ CGECKFCLNP KTNLCQKIRV TQGKGLMPDG TSRFTCKGKT ILHYMGSTSF SEYTVVADIS VAKIDPLAPL DKVCLLGGCI STGYGAAVNT AKLEPGSVCA VFGLGGVGLA VIMGCKVAGA SRIIGVDINK DKFARAKEFG ATECINPQDF SKPIQEVLEIE MTDGGVDYSF ECIGNVKVMR AALEACHKGW GVSVVVGVAASGEEIATRPFLQVTGRTWKG TAFGGWKSVE SVPKLVSEYM SKKIKVDEFV THNLSFDEIN KAFELMHSGK SIRTVVKI
<b>Source</b>	E.coli.
<b>Physical Appearance and Stability</b>	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.
<b>Formulation and Purity</b>	The ADH5 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol. Greater than 90% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	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**