

ADH1A Protein, Human

Cat. No.:	HY-P701924
Synonyms:	ADH1A; Alcohol dehydrogenase 1A; Alcohol dehydrogenase subunit alpha
Species:	Human
Source:	E. coli
Accession:	P07327 (M1-F375)
Gene ID:	124
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	ADH1A, identified as alcohol dehydrogenase, plays a pivotal role in cellular metabolism by catalyzing the oxidation of both primary and secondary alcohols. Although ethanol is a very poor substrate for ADH1A, the enzyme's broader substrate specificity underscores its significance in the oxidation of diverse alcohols within cellular processes. This catalytic function contributes to maintaining cellular redox balance and highlights the versatility of ADH1A in alcohol-related metabolic pathways.
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Caution: Product has not been fully validated for medical applications. For research use only.

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