

Alcohol dehydrogenase Protein, *Lentilactobacillus curieae*

Cat. No.:	HY-P702144
Synonyms:	ADH; Alcohol dehydrogenase
Species:	Others
Source:	E. coli
Accession:	A0A1S6QHZ8 (M1-K345)
Gene ID:	/
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	Alcohol dehydrogenase protein belongs to the zinc-containing alcohol dehydrogenase family, playing a crucial role in catalyzing the oxidation of alcohols to aldehydes or ketones. This protein is involved in various metabolic processes, including the breakdown of ethanol in the liver, where it converts ethanol to acetaldehyde. Additionally, alcohol dehydrogenase protein participates in the metabolism of other alcohols and xenobiotics, contributing to their detoxification and elimination from the body. Its enzymatic activity and expression levels can be influenced by genetic variations, environmental factors, and alcohol consumption patterns, thereby affecting an individual's susceptibility to alcohol-related disorders and responses to alcohol exposure. Overall, alcohol dehydrogenase protein represents an essential component in alcohol metabolism and the maintenance of cellular homeostasis.
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Caution: Product has not been fully validated for medical applications. For research use only.

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