Alcohol dehydrogenase Protein, Acetobacter sp. DsW_54 (His)

Cat. No.:	HY-P702143
Synonyms:	Alcohol dehydrogenase
Species:	Others
Source:	E. coli
Accession:	A0A252B2T5 (M1-W340)
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.
Reconsititution	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	The Alcohol dehydrogenase Protein is a fundamental member of the zinc-containing alcohol dehydrogenase family, underscoring its crucial role in catalyzing the conversion of alcohols to aldehydes or ketones. As part of this enzyme family, Alcohol dehydrogenase likely shares conserved structural and functional features with related proteins, emphasizing its involvement in cellular processes associated with alcohol metabolism. The classification within the zinc-containing alcohol dehydrogenase family underscores its specific designation within the broader context of enzymes involved in redox reactions, providing insights into its unique contributions to the breakdown of alcohols. The study of Alcohol dehydrogenase contributes to our understanding of its role in physiological processes, offering potential applications in various fields, including biotechnology and medicine. Further exploration of Alcohol dehydrogenase's role holds promise for enhancing our knowledge of its contributions to both normal metabolic function and pathological conditions related to alcohol metabolism.

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