

ADH II Protein, *Zymomonas mobilis* subsp. *mobilis* (His, Strep)

Cat. No.:	HY-P701934
Synonyms:	adhB; Alcohol dehydrogenase 2; Alcohol dehydrogenase II; ADH II
Species:	Others
Source:	E. coli
Accession:	PODJA2 (A2-F383)
Gene ID:	79905068
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	ADH II, an iron-dependent alcohol dehydrogenase, plays a pivotal role in the conversion of pyruvate to ethanol. This enzymatic activity is essential for the metabolic pathways involving ethanol formation, contributing to the physiological processes associated with alcohol metabolism. The iron dependency underscores the intricate biochemical mechanisms that govern this conversion, highlighting ADH II's significance in facilitating the production of ethanol from pyruvate within relevant biological contexts.
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Caution: Product has not been fully validated for medical applications. For research use only.

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