

## NADH dehydrogenase Protein, *Gluconobacter oxydans*

Cat. No.:	HY-P702179
Synonyms:	NADH dehydrogenase
Species:	Others
Source:	E. coli
Accession:	A0A4R3ZYF0 (M1-A409)
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	NADH dehydrogenase is a crucial protein involved in cellular respiration, particularly in the electron transport chain. As the initial enzyme complex of complex I, it catalyzes the transfer of electrons from NADH to ubiquinone, generating a proton gradient across the inner mitochondrial membrane. This gradient is essential for ATP synthesis. NADH dehydrogenase's role highlights its significance in energy production within cells.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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