

## FDH1 Protein, Candida boidinii (His)

Cat. No.:	HY-P702120
Synonyms:	FDH1; Formate dehydrogenase; FDH; NAD-dependent formate dehydrogenase
Species:	Others
Source:	E. coli
Accession:	O13437 (M1-K364)
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	The FDH1 protein is an enzyme that plays a crucial role in methylotrophic microorganisms by catalyzing the NAD(+)-dependent oxidation of formate to carbon dioxide. This enzymatic activity is the final step in the methanol oxidation pathway. Additionally, FDH1 has a significant role in non-methylotrophic organisms where it participates in the detoxification of exogenous formate, contributing to cellular homeostasis and preventing the accumulation of potentially harmful formate levels.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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