

gyaR Protein, *Thermoanaerobacter ethanolicus* (His, Strep)

Cat. No.:	HY-P702126
Synonyms:	adhA; Long-chain primary alcohol dehydrogenase AdhA
Species:	Others
Source:	E. coli
Accession:	Q9F282 (W2-F399)
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	GyaR, identified as an alcohol dehydrogenase, exhibits enzymatic activity against primary long-chain alcohols. While pentan-1-ol serves as the optimal substrate in vitro, GyaR displays efficient dehydrogenase activity on a range of alcohols, including propanol, hexanol, and ethanol. This versatility underscores the enzyme's capability to catalyze the oxidation of various primary alcohols, emphasizing its potential role in diverse metabolic pathways.
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Caution: Product has not been fully validated for medical applications. For research use only.

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