

L-arabinose isomerase Protein, *Bacillus subtilis* (His)

Cat. No.:	HY-P701943
Synonyms:	araA; L-arabinose isomerase
Species:	Others
Source:	E. coli
Accession:	P94523 (M1-K496)
Gene ID:	936764
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	L-arabinose isomerase is an enzyme that plays a crucial role in carbohydrate metabolism by catalyzing the conversion of L-arabinose to L-ribulose. This enzymatic transformation is significant in the interconversion of different sugar isomers, contributing to the metabolic pathways involved in the utilization of arabinose. By facilitating the conversion of L-arabinose to L-ribulose, L-arabinose isomerase is essential for the subsequent utilization of these sugar derivatives in various cellular processes. The enzyme's ability to mediate this specific isomerization reaction highlights its importance in the broader context of carbohydrate metabolism and the intricate network of biochemical pathways within the cell (adapted from the provided passage).
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Caution: Product has not been fully validated for medical applications. For research use only.

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