

## araA Protein, Anoxybacillus flavithermus

Cat. No.:	HY-P702151
Synonyms:	araA; L-arabinose isomerase
Species:	Others
Source:	E. coli
Accession:	F6KRI7 (M1-R496)
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	AraA is a vital enzyme that catalyzes the conversion of L-arabinose to L-ribulose, playing a key role in carbohydrate metabolism. This enzymatic activity is crucial in the interconversion of sugar isomers, facilitating the transformation of L-arabinose into L-ribulose. As a key participant in this metabolic pathway, AraA contributes to the utilization of arabinose in various cellular processes. The specific catalytic function of AraA underscores its significance in the broader context of carbohydrate metabolism, highlighting its role in regulating the availability and utilization of sugar derivatives 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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