

treZ Protein, *Arthrobacter ramosus*

Cat. No.:	HY-P702103
Synonyms:	treZ; Malto-oligosyltrehalose trehalohydrolase; MTHase; 4-alpha-D-((1->4)-alpha-D-glucano)trehalose trehalohydrolase; Maltooligosyl trehalose trehalohydrolase
Species:	Others
Source:	E. coli
Accession:	Q9AJN6 (M1-E575)
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 treZ protein is involved in glycan biosynthesis, specifically playing a role in trehalose biosynthesis. Trehalose is a disaccharide sugar with various cellular functions, including acting as a stress protectant in microorganisms and playing a role in energy storage and metabolism. The treZ protein likely participates in the enzymatic processes leading to the formation of trehalose, contributing to the biosynthesis of this important sugar.
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Caution: Product has not been fully validated for medical applications. For research use only.

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