

## ClpC1 NTD Protein, Mycobacterium tuberculosis (His)

Cat. No.:	HY-P701868
Synonyms:	clpC1; ATP-dependent Clp protease ATP-binding subunit ClpC1
Species:	Others
Source:	E. coli
Accession:	P9WPC9 (M1-Y145)
Gene ID:	45427583
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	As the ATP-dependent specificity component of the Clp protease, ClpC1 NTD protein plays a pivotal role in directing the protease to specific substrates. In addition to its role in substrate specificity, ClpC1 NTD exhibits chaperone functions even in the absence of ClpP. Notably, this protein is involved in the degradation of the anti-sigma-E factor RseA when in the presence of ClpP2, underscoring its significance in targeted protein degradation processes.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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