

ClpC1 NTD Protein, Mycobacterium tuberculosis

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| Cat. No.: | HY-P701867 |
| 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

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| 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

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| 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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