

# Recombinant Full Length Yersinia Pestis Bv. Antiqua Monofunctional Biosynthetic Peptidoglycan Transglycosylase(Mtga) Protein, His-Tagged

Cat. No. RFL24669YF Lot. No. (See product label)

## SPECIFICATION

|                         |   |
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| <b>Product Overview</b> | Recombinant Full Length Yersinia pestis bv. Antiqua Monofunctional biosynthetic peptidoglycan transglycosylase(mtgA) Protein (A9R1R0) (1-241aa), fused to N-terminal His tag, was expressed in E. coli.   |
| <b>Species</b>          | Yersinia pestis bv. Antiqua   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Full Length (1-241)   |
| <b>Form</b>             | Lyophilized powder  |
| <b>AA Sequence</b>      | MISVRRGFSQLWYWGKRGVIGIIALWMAGILIFAFLPVPFMSVMIERQLGAWLTGDFA<br>YV AHSDWVPMDEISPYMALAVMAAEDQKFPDHWGFDVGAIESALSHNQNRNQKRIR<br>GASTLSQ QTAKNVFLWDGRS WVRKGLEVGLTAGIELIWTKRRILTVYLNIAEFGNGI<br>FGVEAAARHF FNKPASKLSASEAALLAAVLPNPLRFKVNAPSGYVISRQQWILRQM<br>HQLGGKTFLQENTL D |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.   |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |

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| <b>Storage</b> | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles. |
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| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0 |
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| <b>Reconstitution</b> | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
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## GENE INFORMATION

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| <b>Gene Name</b> | mtgA |
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| <b>Synonyms</b> | mtgA; YpAngola_A1124; Biosynthetic peptidoglycan transglycosylase; Glycan polymerase; Peptidoglycan glycosyltransferase MtgA; PGT |
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| <b>UniProt ID</b> | <a href="#">A9R1R0</a> |
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