

# Recombinant Full Length Monofunctional Biosynthetic Peptidoglycan Transglycosylase(Mtga) Protein, His-Tagged

**Cat. No.** RFL6410EF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Monofunctional biosynthetic peptidoglycan transglycosylase(mtgA) Protein (A1AGA9) (1-242aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                          |
| <b>Species</b>          | E.coli                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | Full Length (1-242)                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MSKSRLTVFSFVRRFLLRLMVVLAIFWGGGIALFSVAPVPFSAVMVERQVSAWLHG<br>NFRY VAHSDWVSMQISPWMGLAVIAAEDQKFPEHWGFDVASIEQALAHNERNEN<br>RIRGASTIS QQTAKNLFLWDGRSWVRKGLEAGLTGIIETVWSKKRILTVYLNIAEFG<br>DGVFGVEAAAQR YFHKPASKLTRSEAALLAAVLNPLRKFVSAPSGYVRSRQAWIL<br>RQMYQLGGEPFMQQHQ LD |
| <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.                                                                                                                                                                  |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid                                                                                                                                                                                    |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

repeated freeze-thaw cycles.

**Storage Buffer**

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Reconstitution**

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.

## GENE INFORMATION

**Gene Name**

mtgA

**Synonyms**

mtgA; Ecok1\_32050; APECO1\_3227; Biosynthetic peptidoglycan transglycosylase; Glycan polymerase; Peptidoglycan glycosyltransferase MtgA; PGT

**UniProt ID**

[A1AGA9](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA