



# Recombinant tRNA modification GTPase MnmE (mnmE)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-EP811253EGX-B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Abbreviation</b>      | mnmE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                                                                      |
| <b>Uniprot No.</b>       | Q8FBV3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen Species</b> | Escherichia coli O6:H1 (strain CFT073 / ATCC 700928 / UPEC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Sequence</b>          | MSDNDTIVAQ ATPPGRGGVG ILRISGLKAR EVAETVLGKL PKPRYADYLP<br>FKDADGSVLD QGIALWFP GP NSFTGEDVLE LQGHGGPVIL DLLLKRILTI<br>PGLRIARPGE FSERAF LNDK LD LAQA E AIA DLIDASSEQA ARSALNSLQG<br>AFSARVNHLV EAL THLRIYV EAAIDFPDEE IDFLSDGKIE AQLNNVIADL<br>DAVRAEARQG SLLREGMKVV IAGRPNAGKS SLLNALAGRE AAIVTDIAGT<br>TRDVLREHIH IDGMPLHIID TAGLREASDE VERIGIERAW QEIEQADRVL<br>FMVDGTTTDA VDP AEIWPEF IARLP AKLPI TVVRNKADIT GETLGMSEVN<br>GHALIRLSAR TGEGVDVLRN H LKQSMG FDT NMEGGFLARR RHLQALEQAA<br>EHLQQGKAQL LGAWAGELLA EELRLAQQL SEITGEFTSD DLLGRIFSSF<br>CIGK |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Target Names</b>      | mnmE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Names</b>     | Recommended name: tRNA modification GTPase MnmE EC= 3.6.-.-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Expression Region</b> | 1-454                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Length</b>    | full length protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <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.                                                                                                                                             |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life                                                                                                                                                                                                                                                                                                                       |



of lyophilized form is 12 months at -20°C/-80°C.