



# Recombinant Escherichia coli O45:K1 GMP reductase (guaC)

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| <b>Product Code</b>      | CSB-EP487730EOK  |
| <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>       | B7MAM6   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli O45:K1 (strain S88 / ExPEC)   |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | MRIEDLKLKLG FKDVLRPKR STLKSRSDVE LERQFTFKHS GQSWSGVPPII<br>AANMDTVGTF SMASALASFD ILTAVHKHYS VEEWQAFINN SSADVLKHVM<br>VSTGTSADDF EKTKQILDNL PALNFVCIDV ANGYSEHFVQ FVAKAREAWP<br>TKTICAGNVV TGEMCEELIL SGADIVKVGI GPGSVCTTRV KTGVGYPQLS<br>AVIECADA AH GLGGMIVSDG GCTTPGDVAK AFGGGADFVM LGGMLAGHEE<br>SGGRIVEENG EKFMLFYGMS SESAMKRHVG GVAEYRAAEG KTVKLPLRGP<br>VENTARDILG GLRSACTYVG ASRLKELTKR TTFIRVQE QE NRIFNNL |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | guaC   |
| <b>Protein Names</b>     | Recommended name: GMP reductase EC= 1.7.1.7 Alternative name(s):<br>Guanosine 5'-monophosphate oxidoreductase Short name= Guanosine<br>monophosphate reductase   |
| <b>Expression Region</b> | 1-347  |
| <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.   |