



# Recombinant Escherichia coli O8 GMP synthase [glutamine-hydrolyzing] (guaA)

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| <b>Product Code</b>      | CSB-MP009582E00  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | B7M7L1   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli O8 (strain IA11)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MTENIHKHRI LILDFGSQYT QLVARRVREL GVYCELWAWD VTEAQIRDFN<br>PSGIILSGGP ESTTEENSPR APQYVFEAGV PVFGVCYGMQ TMAMQLGGHV<br>EASNEREFY AQVEVVNSA LVRGIEDALT ADGKPLLDVW MSHGDKVTAI<br>PSDFVTVAE ESCPFAIMAN EEKRFYGVQF HPEVTHTRQG MRMLERFVRD<br>ICQCEALWTP AKIIDDAVAR IREQVGDDKV ILGLSGGVDS SVTAMLLHRA<br>IGKNLTCVFV DNGLLRLEA EQVLDMFGDH FGLNIVHHPA EDRFLSALAG<br>ENDPEAKRKI IGRVFVEVFD EEALKLEDVK WLAQGTIYPD VIESAASATG<br>KAHVIKSHHN VGGLPKEMKM GLVEPLKELF KDEVRKIGLE LGLPYDMLYR<br>HPFPGPLGV RVLGEVKKEY CDLLRRADAI FIEELRKADL YDKVSQAFTV<br>FLPVRSVGVM GDGRKYDWVV SLRAVETIDF MTAHWAHLPY DFLGRVSNRI<br>INEVNGISRV VYDISGKPPA TIEWE |
| <b>Source</b>            | Mammalian cell   |
| <b>Target Names</b>      | guaA   |
| <b>Protein Names</b>     | Recommended name: GMP synthase [glutamine-hydrolyzing] EC= 6.3.5.2<br>Alternative name(s): GMP synthetase Glutamine amidotransferase   |
| <b>Expression Region</b> | 1-525  |
| <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.   |