



Recombinant GMP synthase [glutamine-hydrolyzing] (guaA)

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| Product Code | CSB-MP009582EGX |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P64294 |
| Product Type | Recombinant Protein |
| Immunogen Species | Escherichia coli O6:H1 (strain CFT073 / ATCC 700928 / UPEC) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | MTENIHKHRI LILDFGSQYT QLVARRVREL GVYCELWAWD VTEAQIRDFN PSGIILSGGP ESTTEENSPR APQYVFEAGV PVFGVCYGMQ TMAMQLGGHV EASNEREFY AQVEVVNSA LVRGIEDALT ADGKPLLDVW MSHGDKVTAI PSDFVTFAST ESCPFAIMAN EEKRFYGVQF HPEVTHTRQG MRMLERFVRD ICQCEALWTP AKIIDDAVAR IREQVGDDKV ILGLSGGVDS SVTAMLLHRA IGKNLTCV FV DNGLLR LNEA EQVLD MFGDH FGLNIVH VPA EDRFLSALAG ENDPEAKRKI IGRVFVEVFD EEALKLEDVK WLAQG TIYPD VIESAASATG KAHVIKSHHN VGGLPKEMKM GLVEPLKELF KDEVRKIGLE LGLPYDMLYR HPFPGPGLGV RVLGEVKKEY CDLLRRADAI FIEELRKADL YDKVSQAFTV FLPVR SVGVM GDGRKYDWV V SLRAVETIDF MTAHWAHLPY DFLGRVSNRI INEVNGISRV VYDISGKPPA TIEWE |
| Source | Mammalian cell |
| Target Names | guaA |
| Protein Names | Recommended name: GMP synthase [glutamine-hydrolyzing] EC= 6.3.5.2 Alternative name(s): GMP synthetase Glutamine amidotransferase |
| Expression Region | 1-525 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | full length protein |
| 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. |
| Shelf Life | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. 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. |