



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

Product Code	CSB-YP009582ENU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	C4ZX82
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12 / MC4100 / BW2952)
Purity	>85% (SDS-PAGE)
Sequence	MTENIHKHRI LILDFGSQYT QLVARRVREL GVYCELWAWD VTEAQIRDFN PSGIILSGGP ESTTEENSPR APQYVFEAGV PVFGVCYGMQ TMAMQLGGHV EASNEREFY AQVEVVNSA LVRGIEDALT ADGKPLLDVW MSHGDKVTAI PSDFITVAST ESCPFAIMAN EEKRFYGVQF HPEVTHTRQG MRMLERFVRD ICQCEALWTP AKIIDDAVAR IREQVGDDKV ILGLSGGVDS SVTAMLLHRA IGKNLTCVFFV DNGLLRLEA EQVLDMFGDH FGLNIVHHPA EDRFLSALAG ENDPEAKRKI IGRVFVEVFD EEALKLEDVK WLAQGTIYPD VIESAASATG KAHVIKSHHN VGGLPKEMKM GLVEPLKELF KDEVRKIGLE LGLPYDMLYR HPFPGPLGV RVLGEVKKEY CDLLRRADAI FIEELRKADL YDKVSAFTV FLPVRVSGVM GDGRKYDWVV SLRAVETIDF MTAHWALHPY DFLGRVSNRI INEVNGISRV VYDISGKPPA TIEWE
Source	Yeast
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.