



Recombinant *Bacillus licheniformis* GMP reductase (guaC)

Product Code	CSB-EP727503BQU-B
Abbreviation	guaC
Storage	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.
Uniprot No.	Q65LF6
Product Type	Recombinant Protein
Immunogen Species	<i>Bacillus licheniformis</i> (strain ATCC 14580 / DSM 13 / JCM 2505 / NBRC 12200 / NCIMB 9375 / NRRL NRS-1264 / Gibson 46)
Purity	≥85% (SDS-PAGE)
Sequence	MENVFDYEDI QLIPAKCIVK SRSECDTSVQ FGGRTFKLPV VPANMQTIID EKLAVSLAEN GYFYVMHRFE PETRIDFIKD MKARGLFSSI SVGVKDEEYA FIEELTRENL TPEYITIDIA HGHSNAVINM IQHIKKHLPD SFVIAGNVGT PEAVRELENA GADATKVGIG PGKVCITKIK TGFGTGGWQL AALRWCAKAA SKPIIADGGI RTHGDIKSV RFGATMVMIG SLFAGHEESP GATIEKDGKL YKEYFGSASE YQKGEKKNVE GKMYVEHKG AIMDTLTEME QDLQSSISYA GGNKLDAIRN VDYVIVKNSI FNGDQY
Source	E.coli
Target Names	guaC
Protein Names	Recommended name: GMP reductase EC= 1.7.1.7 Alternative name(s): Guanosine 5'-monophosphate oxidoreductase Short name= Guanosine monophosphate reductase
Expression Region	1-326
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.