



Recombinant *Bacillus licheniformis* Phosphoglucosamine mutase (glmM)

Product Code	CSB-EP731217BQU
Abbreviation	glmM
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.	Q65P47
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	MGKYFGTDGV RGVANSELTPELAFKVGRFG GYVLTKDKER PKVLIGRDTR ISGHMLEGAL VAGLLSIGAE VMRLGVISTP GVAYLTKAMD AEAGVMISAS HNPVQDNGIK FFGGDGFKLS DEQELEIERL MDQPEDHLPR PVGADLGMVN DYFEGGQKYL QFLKQSADED FTGHIHALDC AHGATSSLAT HLFADLDADV STMGTSPLNGL NINDGVGSTH PEALAEFVKE KGADVGMMAFD GDGDRLIAVD EKGNIVDGDQ IMYICAKYK SEGRLTDNTV VSTVMSNLGF YKALEAEGIK SVQTAVGDRY VVEAMKKGGF TLGGEQSGHL IFLDYNTTGD GLLSAIMLMN TIKMTGKPLS ELAAEMQKFP QLLNIVKVT D KHKVTENEKV KAVIEEVEKE MNGDGRILVR PSGTEPLVRV MAEAKTKELC EKYVGRIADV VKAEMGAE
Source	E.coli
Target Names	glmM
Protein Names	Recommended name: Phosphoglucosamine mutase EC= 5.4.2.10
Expression Region	1-448
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.