



# Recombinant Escherichia coli Bifunctional protein GlmU (glmU)

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| <b>Product Code</b>      | CSB-YP635064EGW  |
| <b>Abbreviation</b>      | glmU   |
| <b>Storage</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.   |
| <b>Uniprot No.</b>       | Q1R4K5   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli (strain UTI89 / UPEC)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MLNNAMSVVI LAAGKGTRMY SDLPKVLHTL AGKAMVQHVI DAANELGAAH<br>VHLVYGHGGD LLKQALKDDN LNWVLQTEQL GTGHAMQQAA PFFADDEDIL<br>MLYGDVPLIS VETLQRLRDA KPQGGIGLLT VKLDDPTGYG RITRENGKVT<br>GIVEHKDATD EQRQIQEINT GILIANGADM KRWLAKLTNN NAQGEYYITD<br>IALAYQEGR EIVAVHPQRL SEVEGVNNRL QLSRLERVYQ SEQAELLLA<br>GVMLRDPARF DLRGTLTHGR DVEIDTNVII EGNVTLGHRV KIGTGCVIKN<br>SVIGDDCEIS PYTVVEDANL AAACITGPFA RLRPGAELLE GAHVGNFVEM<br>KKARLGKGSK AGHLTYLGDA EIGDNNVIGA GTITCNYDGA NKFKTIIGDD<br>VFGSDTQLV APVTVGKGAT IAAGTTVTRN VGENALAIR VPQTQKEGWR<br>RPVKKK |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | glmU   |
| <b>Protein Names</b>     | Recommended name: Bifunctional protein GlmU Including the following 2 domains: UDP-N-acetylglucosamine pyrophosphorylase EC= 2.7.7.23<br>Alternative name(s): N-acetylglucosamine-1-phosphate uridyltransferase<br>Glucosamine-1-phosphate   |
| <b>Expression Region</b> | 1-456  |
| <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.  |



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