



Recombinant Bifunctional protein GlmU (glmU)

Product Code	CSB-YP726337SMZ
Abbreviation	glmU
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.	Q5XDJ2
Product Type	Recombinant Protein
Immunogen Species	Streptococcus pyogenes serotype M6 (strain ATCC BAA-946 / MGAS10394)
Purity	≥85% (SDS-PAGE)
Sequence	MTNYAIIILAA GKGTRMTSDL PKVLHKVSGL TMLEHVFRSV KAISPEKAVT VIGHKSEMRV AVLADQSAFV HQTEQLGTGH AVMMMAETQLE GLEGHTLVIA GDTPLITGES LKSLIDFHVN HKNVATILTA TAQDPFGYGR IVRNKDGEVI KIVEQKDANE YEQQLKEINT GTYVFDNKRL FEALKCITTN NAQGEYYLTD VVAIFRANKE KVGAYILRDF NESLGVNDRV ALATAETVMR QRITQKHMVN GVTFQNPETV YIESDVTIAP DVLIEGNVTL KGRTHIGSGT VLTNGTYIVD SEIGDNCVVT NSMIESSVLA AGVTVGPYAH LRPGTTLDRE VHIGNFVEVK GSHIGEKTGA GHLTYIGNAQ VGSSVNVGAG TITVNYDGQN KYETVIGDHA FIGSNSTLIA PLEIGDHALT AAGSTISKTV PIDSLAIGRS RQVTKEGYAK RLAHHPSRSK
Source	Yeast
Target Names	glmU
Protein Names	Recommended name: Bifunctional protein GlmU Including the following 2 domains: UDP-N-acetylglucosamine pyrophosphorylase EC= 2.7.7.23 Alternative name(s): N-acetylglucosamine-1-phosphate uridyltransferase Glucosamine-1-phosphate
Expression Region	1-460
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.