



Recombinant Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] (glmS)

Product Code	CSB-EP845274EOD
Abbreviation	glmS
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.	Q8XEG2
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O157:H7
Purity	>85% (SDS-PAGE)
Sequence	CGIVGAIQ RDVAEILLEG LRRLEYRGYD SAGLAVVDAE GHMTRLRRLG KVQMLAQAAE EHPLHGGTGI AHTRWATHGE PSEVNAHPHV SEHIVVVHNG IENHEPLRE ELKARGYTFV SETDTEVIAH LVNWELKQGG TLREAVLRAI PQLRGAYGTV IMDSRHPDTL LAARSGSPLV IGLGMGENFI ASDQLALLPV TRRFIFLEEG DIAEITRRSV NIFDKTGAEV KRQDIESNLQ YDAGDKGIYR HYMQKEIYEQ PNAIKNTLTG RISHGQVDLS ELGPNADPELL SKVEHIQILA CGTSYNSGMV SRYWFESLAG IPCDVEIASE FRYRKSARRR NSLMITLSQS GETADTLAAGL RLSKELGYLG SLAICNVPGS SLVRESLAL MTNAGTEIGV ASTKAFTTQL TVLLMLVAKL SRLKGLDASI EHDIVHGLQA LPSRIEQMLS QDKRIEALAE DFSDKHHALF LGRGDQYPIA LEGALKLKEI SYIHAEAYAA GELKHGLPAL IDADMVIVV APNNELLEKL KSNIEEVRAR GGQLYVFAEQ DAGFVSSDNM HIIEMPHVEE VIAPIFYTVP LQLLAYHVAL IKGTDVDQPR NLAKSVTVE
Source	E.coli
Target Names	glmS
Protein Names	Recommended name: Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] EC= 2.6.1.16 Alternative name(s): D-fructose-6-phosphate amidotransferase GFAT Glucosamine-6-phosphate synthase Hexosephosphate aminotransferase
Expression Region	2-609
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 of Mature 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.