



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

<b>Product Code</b>	CSB-YP845274EOD
<b>Abbreviation</b>	glmS
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q8XEG2
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli O157:H7
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	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 ELGPNADELL SKVEHIQILA CGTSYNSGMV SRYWFESLAG IPCDVEIASE FRYRKSARRR NSLMITLSQS GETADTLAAGL RLSKELGYLG SLAICNVP GS SLVRESLAL MTNAGTEIGV ASTKAFTTQL TVLLMLVAKL SRLKGLDASI EHDIVHGLQA LPSRIEQMLS QDKRIEALAE DFSDKHHALF LGRGDQYPIA LEGALKLKEI SYIHAEAYAA GELKHGPLAL IDADMPVIVV APNNELLEKL KSNIEEVRAR GGQLYVFAEQ DAGFVSSDNM HIIEMPHVEE VIAPIFYTVP LQLLAYHVAL IKGTDVDQPR NLAKSVTVE
<b>Source</b>	Yeast
<b>Target Names</b>	glmS
<b>Protein Names</b>	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
<b>Expression Region</b>	2-609
<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 of Mature 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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