Glucosamine--Fructose-6-Phosphate Aminotransferase [Isomerizing] (glmS) Methanopyrus Kandleri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] (glmS), Recombinant Protein
Full Product Name	Recombinant Methanopyrus kandleri Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] (glmS), partial
Product Gene Name	glmS recombinant protein
Product Synonym Gene Name	glmS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	68,112 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q8TZ14
Species	Methanopyrus kandleri (strain AV19 / DSM 6324 / JCM 9639 / NBRC 100938)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for glmS recombinant protein	MBS1392116 is a recombinant protein targeting glmS. Also known as Recombinant Methanopyrus kandleri Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] (glmS), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of glmS recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for glmS. It may not necessarily be applicable to this product.

NCBI GI #	23821665
NCBI Accession #	Q8TZ14.3
UniProt Primary Accession #	Q8TZ14
NCBI Official Full Name	Glutamine--fructose-6-phosphate aminotransferase
UniProt Protein Name	Glutamine--fructose-6-phosphate aminotransferase [isomerizing]
UniProt Synonym Protein Names	D-fructose-6-phosphate amidotransferase
Protein Family	Glutamate mutase

UniProt Gene Name	glmS
UniProt Comments for glmS	Catalyzes the first step in hexosamine metabolism, converting fructose-6P into glucosamine-6P using glutamine as a nitrogen source.
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