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

PRODUCT OVERVIEW

Product Name	Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] (glmS), Recombinant Protein
Full Product Name	Recombinant Buchnera aphidicola subsp. Baizongia pistaciae Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] (glmS), partial
Product Gene Name	glmS recombinant protein
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	68,386 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 P59499
Species	Buchnera aphidicola subsp. Baizongia pistaciae (strain Bp)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for glmS recombinant protein	MBS1116632 is a recombinant protein targeting glmS. Also known as Recombinant Buchnera aphidicola subsp. Baizongia pistaciae 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 #	499403705
NCBI Accession #	WP_011091172.1
UniProt Primary Accession #	P59499
GenBank Nucleotide #	WP_011091172.1
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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