Glucosamine-6-Phosphate Deaminase (nagB) Exiguobacterium Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glucosamine-6-phosphate deaminase (nagB), Recombinant Protein
Full Product Name	Recombinant Exiguobacterium sp. Glucosamine-6-phosphate deaminase (nagB)
Product Gene Name	nagB recombinant protein
Sequence	MNVLVAKTAN DAERIAYTLI KERISGKHDF VLGLATGSTP VGMYQMFKQD ALDCSHVTSV NLDEYIGLSP EHPQSYNRFM KDRLFDEVPF KQSHLPQGDA PDPQAEAARY EDLVRKLGVD LQLLGIGENG HIAFNEPGTA LDAKTHVTEL TESTREANRR FFDRLEDVPT HAITMGLDTI MNAREIVLVA TGERKAEAVQ HMIESVPTVD WPATILQAHP GVTVVLDGAA ASRCAESLQA RGQEAATRFF TIRD
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	28,029 Da
Sequence Positions	1-254, full length protein
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 C4L2C5
Species	Exiguobacterium sp. (strain BAA-1283 / AT1b)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for nagB recombinant protein	MBS1016770 is a recombinant protein targeting nagB. Also known as Recombinant Exiguobacterium sp. Glucosamine-6-phosphate deaminase (nagB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of nagB 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 nagB. It may not necessarily be applicable to this product.

NCBI GI #	506361017
NCBI Accession #	WP_015880736.1
UniProt Primary Accession #	C4L2C5
GenBank Nucleotide #	WP_015880736.1
NCBI Official Full Name	MULTISPECIES: glucosamine-6-phosphate deaminase
UniProt Protein Name	Glucosamine-6-phosphate deaminase

UniProt Synonym Protein Names	GlcN6P deaminase
Protein Family	1,2-dihydroxy-1,2-dihydronaphthalene dehydrogenase
UniProt Gene Name	nagB
UniProt Synonym Gene Names	GNPDA
UniProt Comments for nagB	Catalyzes the reversible isomerization-deamination of glucosamine 6-phosphate (GlcN6P) to form fructose 6-phosphate (Fru6P) and ammonium ion.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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