Glutamate 5-Kinase (proB) Geobacillus Kaustophilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutamate 5-kinase (proB), Recombinant Protein
Full Product Name	Recombinant Geobacillus kaustophilus Glutamate 5-kinase (proB)
Product Gene Name	proB recombinant protein
Product Synonym Gene Name	proB
Sequence	MKRQRVVVKI GSSSLTDPKG GLCHDKLFDH VEAIAYLKQL GHDVILITSG AVAAGFGPLG YPARPTTIAG KQAAAAVGQS LLMQAYSSAF AQFGFTAAQL LLTRSDFYSR ERFRNLFATI TTLLENGAVP IINENDSVSI EELTFGDNDM LSALVAGFLH ADALILLTDI NGLYDANPKT NPQAKKYAFL PEITDEMIEA AGGIGSAVGT GGMRSKLLAA RKALSFGVSV FIGTGSGREK LADILAGKGD GTYIGVPFPK QMQMRKQWIA YHAPVAGMIT VDSGAEEALL MRGKSLLPAG VTAVSGDFHA MDVVDVVNEK GITIGRGQVY YAAADLKKVK GRPSEEARQY SYLHRPEVIH RDNWVTLRKE SVSK
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	40,081 Da
Sequence Positions	1-374, Full length
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 Q5KYA3
Species	Geobacillus kaustophilus (strain HTA426)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for proB recombinant protein	MBS1415326 is a recombinant protein targeting proB. Also known as Recombinant Geobacillus kaustophilus Glutamate 5-kinase (proB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of proB 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 proB. It may not necessarily be applicable to this product.

NCBI GI #	499550751
NCBI Accession #	WP_011231534.1
UniProt Primary Accession #	Q5KYA3
GenBank Nucleotide #	WP_011231534.1

NCBI Official Full Name	MULTISPECIES: glutamate 5-kinase
UniProt Protein Name	Glutamate 5-kinase
UniProt Synonym Protein Names	Gamma-glutamyl kinase
Protein Family	Glutamate 5-kinase
UniProt Gene Name	proB
UniProt Synonym Gene Names	GK
UniProt Comments for proB	Catalyzes the transfer of a phosphate group to glutamate to form L-glutamate 5-phosphate.
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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