Glutamate 5-Kinase (proB) Bradyrhizobium Japonicum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glutamate 5-kinase (proB), Recombinant Protein
Full Product Name	Recombinant Bradyrhizobium japonicum Glutamate 5-kinase (proB)
Product Gene Name	proB recombinant protein
Product Synonym Gene Name	proB
Sequence	MASPELSQFR RIVVKVGSAL LVDSDKGEVR TSWLAALADD MAKLHKEGRD VLVVSSGSIA LGRSRLKLPR GPLKLEESQA AAAVGQIALA RIWSEVLGAH GIDAGQILVT LQDTEERRRY LNARSTIGKL LEWRAIPVIN ENDTVATTEI RYGDNDRLAA RVATMASADL LVLLSDIDGL YDAPPKNNPN AKLIPVVDSI SSEIEAVAGD AESELSRGGM RTKVEAAKIA TTGGTHMLIA SGKIEHPLQA IANGGRCTWF LTPANPITSR KRWIAGTLEP KGTLTIDAGA VTALRAGASL LPAGVIKVEG QFARGDAVIV RGPDTSEIGR GLIAYDADDA ERIKGRSSPD VMTILGISGR AEMIHRDDLV VGG
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	39,540 Da
Sequence Positions	1-373, 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 Q89X86
Species	Bradyrhizobium japonicum (strain USDA 110)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for proB recombinant protein	MBS1357091 is a recombinant protein targeting proB. Also known as Recombinant Bradyrhizobium japonicum 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 #	27375539
NCBI GeneID	1054409
NCBI Accession #	NP_767068.1
UniProt Primary Accession #	Q89X86

UniProt Related Accession #	Q89X86
GenBank Nucleotide #	NC_004463.1
NCBI Official Full Name	gamma-glutamyl kinase
NCBI Official Symbol	proB
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
NCBI Protein Information	gamma-glutamyl kinase
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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