6-Phosphofructokinase (pfkA) Anabaena Variabilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	6-phosphofructokinase (pfkA), Recombinant Protein
Full Product Name	Recombinant Anabaena variabilis 6-phosphofructokinase (pfkA)
Product Gene Name	pfkA recombinant protein
Product Synonym Gene Name	pfkA
Sequence	MRKKIGILTS GGDCPGLNCV IRAVVSHATL TYDWEVFGIP YATQGLLERQ AIALNMHGWD LRGIDPLLNM GGTILGTINK GDTLAHVDEM LASYEALALD ALIVIGGDGS LGILHELASR GNWNLVAIPK TIDSDVALTE RAVGFDTAVN TIVDALNRLT FTAASHDRVM IVEVMGRSAG HLALHAGIAG GADVILIPEI SYTISGLCQY IAELRDRWQR KFAIVVVAEG AKLCLEDVQE NIASACVSPK CGRGQYIAEQ IARCSKNLID TRVSVLGHIQ RGGIPSALDR LTATVFGKTA VDLVAQGKFG QMVAWQNGEA IPVPIQDVVA QSPLHVNPQG SLVQSARCLG IYVGEKT
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	38,010 Da
Sequence Positions	1-357, 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 Q3M8N2
Species	Anabaena variabilis (strain 29413 / PCC 7937)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pfkA recombinant protein	MBS1283255 is a recombinant protein targeting pfkA. Also known as Recombinant Anabaena variabilis 6-phosphofructokinase (pfkA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pfkA 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 pfkA. It may not necessarily be applicable to this product.

NCBI GI #	123609063
NCBI Accession #	Q3M8N2.1
UniProt Primary Accession #	Q3M8N2
NCBI Official Full Name	ATP-dependent 6-phosphofructokinase

UniProt Protein Name	ATP-dependent 6-phosphofructokinase
UniProt Synonym Protein Names	Phosphohexokinase
Protein Family	ATP-dependent 6-phosphofructokinase
UniProt Gene Name	pfkA
UniProt Synonym Gene Names	ATP-PFK; Phosphofructokinase
UniProt Comments for pfkA	Catalyzes the phosphorylation of D-fructose 6-phosphate to fructose 1,6-bisphosphate by ATP, the first committing step of glycolysis.
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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