6-Phosphofructokinase (pfkA) Staphylococcus Aureus Recombinant Protein

PRODUCT OVERVIEW

Product Name	6-phosphofructokinase (pfkA), Recombinant Protein
Full Product Name	Recombinant Staphylococcus aureus 6-phosphofructokinase (pfkA)
Product Gene Name	pfkA recombinant protein
Sequence	MKKIAVLTSG GDSPGMNAAV RAVVRTAIYN EIEVYGVYHG YQGLLNDDIH KLELGSVGDT IQRGGTFLYS ARCPEFKEQE VRKVAIENLR KRGIEGLVVI GGDGSYRGAQ RISEECKEIQ TIGIPGTIDN DINGTDFTIG FDTALNTIIG LVDKIRDTAS SHARTFIIEA MGRDCGDLAL WAGLSVGAET IVVPEVKTDI KEIADKIEQG IKRGKKHSIV LVAEGCMTAQ DCQKELSQYI NVDNRVSVLG HVQRGGSPTG ADRVLASRLG GYAVDLLMQG ETAKGVGIKN NKIVATSFDE IFDGKDHKFD YSLYELANKL SI
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	34,840 Da
Sequence Positions	1-322, 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 P99165
Species	Staphylococcus aureus (strain N315)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pfkA recombinant protein	MBS1025252 is a recombinant protein targeting pfkA. Also known as Recombinant Staphylococcus aureus 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 #	446640215
NCBI Accession #	WP_000717561.1
UniProt Primary Accession #	P99165
UniProt Secondary Accession #	Q99TG4
GenBank Nucleotide #	WP_000717561.1
NCBI Official Full Name	MULTISPECIES: 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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