6-Phosphofructokinase 3 (pfkA3) Bacteroides Thetaiotaomicron Recombinant Protein

PRODUCT OVERVIEW

Product Name	6-phosphofructokinase 3 (pfkA3), Recombinant Protein
Full Product Name	Recombinant Bacteroides thetaiotaomicron 6-phosphofructokinase 3 (pfkA3)
Product Gene Name	pfkA3 recombinant protein
Product Synonym Gene Name	pfkA3
Sequence	MRIGILTSGG DCPGINATIR GVCKTAINHY GMEVIGIHSG FQGLLTKDIE SFTDKSLSGL LNQGGTMLGT SREKPFKKGG VVSDVDKPAL ILQNIQEMGL DCVVCIGGNG TQKTAAKFAA MGVNIVSVPK TIDNDIWGTD ISFGFDSAVS IATDAIDRLH STASSHKRVM VIEVMGHKAG WIALYSGMAG GGDVILVPEI PYNIKNIGNT ILERLKKGKP YSIVVVAEGI LTDGRKRAAE YIAQEIEYET GIETRETVLG YIQRGGSPTP FDRNLSTRMG GHATELIANG QFGRMIALKG DDISSIPLEE VAGKLKLVTE DHDLVIQGRR MGICFG
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	35,853 Da
Sequence Positions	1-336, 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 Q8A2E9
Species	Bacteroides thetaiotaomicron (strain 29148 / DSM 2079 / 10582 / E50 / VPI-5482)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for pfkA3 recombinant protein	MBS1424986 is a recombinant protein targeting pfkA3. Also known as Recombinant Bacteroides thetaiotaomicron 6-phosphofructokinase 3 (pfkA3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of pfkA3 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 pfkA3. It may not necessarily be applicable to this product.

NCBI GI #	29348765
NCBI GeneID	1072122
NCBI Accession #	NP_812268.1
UniProt Primary Accession #	Q8A2E9
UniProt Related Accession #	Q8A2E9

GenBank Nucleotide #	NC_004663.1
NCBI Official Full Name	6-phosphofructokinase
NCBI Official Symbol	pfkA
UniProt Protein Name	ATP-dependent 6-phosphofructokinase 3
UniProt Synonym Protein Names	Phosphohexokinase 3
Protein Family	ATP-dependent 6-phosphofructokinase
UniProt Gene Name	pfkA3
UniProt Synonym Gene Names	ATP-PFK 3; Phosphofructokinase 3
NCBI Protein Information	6-phosphofructokinase
UniProt Comments for pfkA3	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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