6-Phosphofructokinase 4, Chloroplastic (PFK4) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	6-phosphofructokinase 4, chloroplastic (PFK4), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana 6-phosphofructokinase 4, chloroplastic (PFK4)
Product Gene Name	PFK4 recombinant protein
Product Synonym Gene Name	PFK4
Sequence	AQCSDGFKPE EDDGFVLEDV PHLTKFLPDL PSYPNPLKES QAYAIVKRTF VSSEDVVAQN IVVQKGSKRG VHFRRAGPRE RVYFRSDEVK ACIVTCGGLC PGINTVIREI VCGLNNMYGV NNILGIQGGY RGFYSKNTMN LTPKVVNDIH KRGGTFLQTS RGGHDTAKIV DNIQDRGINQ VYIIGGGGTQ KGAEKIYEEV ERRGLQVAVS GIPKTIDNDI AVIDKSFGFD TAVEEAQRAI NAAHVEVESV ENGVGIVKLM GRYSGFIAMI ATLANRDVDC CLIPESPFFL EGKGGLFEFI EERLKENRHM VIVIAEGAGQ DYVAQSMRAS ETKDASGNRL LLDVGLWLTQ QIKDHFTNVR KMMINMKYID PTYMIRAIPS NASDNVYCTL LAQSAVHGAM AGYSGFTVGP VNSRHAYIPI SQVTEVTNTV KLTDRMWARL LASTNQPSFL TGEGALQNVI DMETQEKIDN MKISSI
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	58,339 Da
Sequence Positions	55-530, 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 Q9FKG3
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PFK4 recombinant protein	MBS1453233 is a recombinant protein targeting PFK4. Also known as Recombinant Arabidopsis thaliana 6-phosphofructokinase 4, chloroplastic (PFK4). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PFK4 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 PFK4. It may not necessarily be applicable to this product.

NCBI GI #	79331832
NCBI GeneID	836279
NCBI Accession #	NP_001032120.1
UniProt Primary Accession #	Q9FKG3

UniProt Secondary Accession #	Q2V2W5
UniProt Related Accession #	Q9FKG3
GenBank Nucleotide #	NM_001037043.1
NCBI Official Full Name	phosphofructokinase 4
NCBI Official Symbol	PFK4
NCBI Official Synonym Symbols	K11J9.3; K11J9_3; phosphofructokinase 4
UniProt Protein Name	ATP-dependent 6-phosphofructokinase 4, chloroplastic
UniProt Synonym Protein Names	Phosphohexokinase 4
Protein Family	ATP-dependent 6-phosphofructokinase
UniProt Gene Name	PFK4
UniProt Synonym Gene Names	ATP-PFK 4; Phosphofructokinase 4
NCBI Protein Information	phosphofructokinase 4
UniProt Comments for PFK4	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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