6-Phosphofructokinase 1 (PFK1) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	6-phosphofructokinase 1 (PFK1), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana 6-phosphofructokinase 1 (PFK1)
Product Gene Name	PFK1 recombinant protein
Product Synonym Gene Name	PFK1
Sequence	MSSSVPNSDR KIVTGPAGYI LEDVPHFSDD FPDHPTYPNP LQDNAAYSVV KQYFVDEDDT VPQKIVVHPD SPRGTHFRRA GPRQRVYFES DDVLACIVTC GGLCPGLNTV IREIVCGLSY MYGVKRILGI DGGYRGFYAR NTIHLDLKTV NDIHRSGGTI LGTSRGGHNT TKIVDSIQDR GINQVYIIGG DGSQKGAAAI FEEIRKRKLK VAVAGIPKTI DNDIPIIDRS FGFDTAVEEA QRAINAAHVE ATSFENGIGL VKLMGRYSGF IAMHATLASR DVDCCLIPES PFFLEGSGGL FEFIDKRLKE SGHMVIVIAE GAGQDLLSES MKESTTLKDA SGNKLLQDIG LWISQRIKDH FAKKMTLTLK YIDPTYMIRA VPSNASDNVC CTLLAQSAVH GVMAGYNGFT VGLVNGRHTY IPFNRITEKQ NKVVITDRMW ARLLSSTNQP SFMKQADKIH SNQLVGEPGT MKW
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	51,991 Da
Sequence Positions	1-473, 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 Q9M0F9
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PFK1 recombinant protein	MBS1380660 is a recombinant protein targeting PFK1. Also known as Recombinant Arabidopsis thaliana 6-phosphofructokinase 1 (PFK1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PFK1 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 PFK1. It may not necessarily be applicable to this product.

NCBI GI #	15233495
NCBI GeneID	829043
NCBI Accession #	NP_194651.1
UniProt Primary Accession #	Q9M0F9

UniProt Secondary Accession #	Q8L7L4
UniProt Related Accession #	Q9M0F9
GenBank Nucleotide #	NM_119066.3
NCBI Official Full Name	phosphofructokinase 1
NCBI Official Symbol	PFK1
NCBI Official Synonym Symbols	F17A13.40; F17A13_40; phosphofructokinase 1
UniProt Protein Name	ATP-dependent 6-phosphofructokinase 1
UniProt Synonym Protein Names	Phosphohexokinase 1
Protein Family	ATP-dependent 6-phosphofructokinase
UniProt Gene Name	PFK1
UniProt Synonym Gene Names	ATP-PFK 1; Phosphofructokinase 1
NCBI Protein Information	phosphofructokinase 1
UniProt Comments for PFK1	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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