

# 6-phosphofructokinase 5, chloroplastic (PFK5), Recombinant Protein

Cat RP01231

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg  
(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1  
mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
Species Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name

Recombinant Arabidopsis thaliana 6-phosphofructokinase 5, chloroplastic (PFK5)

## Product Gene Name

PFK5 recombinant protein

## Product Synonym Gene Name

PFK5

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

ASEIQHSKTS ASSIDLSDPD WKLKYEKDFE QRFSIPHITD VLPDAEAIRS TFCLKMRSPT EDFVGGYPSD  
EEWHGYINNN DRVLLKVISY SSPTSAGAEC LDHDCSWVEQ WIHRAGPREK IYFRPEEVKA AIITCGGLCP  
GLNDVIRHIV ITLEIYGVKN IVGIPFGYRG FSDKDLTEMP LSRKVVQNIH LSGGSLLGVS RGGPSVSEIV  
DSMEERGINM LFLVGGNGTH AGANAIHNEC RKRKIKVAVV GVPKTIDNDI LHMDKTFGFD TAVEEAQRAI  
NSAYIEAHSY YHGIGVVKLM GRNSGFAMQ ASLASGQVDI CLIPEVPFNL HGPNGVLKHL KYLIETKGSY  
VICVAEGAGQ NFLEKTNKD ASGNAVLGDF GVIYQKETTK YFKEISTPID VKYIDPTYMI RAVRANASDG  
ILCTVLGQNA VHGAFAAGYSG ITVGIINTHY AYLPIEIVIA YPKSVDPNR MWHRLTSTG QPDFI

## Sequence Positions

53-537, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

58,615 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week.  
Repeated freezing and thawing is not recommended.

## Protein Family

ATP-dependent 6-phosphofructokinase

## NCBI Accession #

NP\_850025.1

## NCBI GI #

30681728

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
NCBI GenBank Nucleotide #  
NM\_179694.4

## NCBI GeneID

816781

## NCBI Official Full Name

phosphofructokinase 5

## NCBI Official Symbol

PFK5

## NCBI Official Synonym Symbols

F14M13.12; F14M13\_12; phosphofructokinase 5

## NCBI Protein Information

phosphofructokinase 5

## UniProt Gene Name

PFK5

## UniProt Synonym Gene Names

ATP-PFK 5; Phosphofructokinase 5

## UniProt Protein Name

ATP-dependent 6-phosphofructokinase 5, chloroplastic

## UniProt Synonym Protein Names

Phosphohexokinase 5

## UniProt Primary Accession #

Q8VYN6

## UniProt Secondary Accession #

Q9SJY6

## UniProt Related Accession #

Q8VYN6

## UniProt Comments

Catalyzes the phosphorylation of D-fructose 6-phosphate to fructose 1,6-bisphosphate by ATP, the first committing step of glycolysis.

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