

6-phosphofructokinase 3 (PFK3), Recombinant Protein

Cat *RP01801*

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

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

Full Product Name

Recombinant Arabidopsis thaliana 6-phosphofructokinase 3 (PFK3)

Product Gene Name

PFK3 recombinant protein

Product Synonym Gene Name

PFK3

Purity

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

Sequence

MSTVESSKPK IINGSCGYVL EDVPHLS DYL PGLPTYPNPL QDNPAYSVVK QYFVDADDSV PQKIVVHKDG
PRGIHFRRAG PRQKVYFESD EVHACIVTCG GLCPGLNTVI REIVSSLSYM YGVKRILGID GGYRGFYAKN
TVSLDSKVVN DIHKRGGTIL GTSRGGHDTT KIVDSIQDRG INQVYIIGGD GTQRGASVIF EEIRRRGLKV
AVIGIPKTID NDIPVIDKSF GFDTAVEEAQ RAINAAHVEA ESIENGIGVV KLMGRYSGFI AMYATLASRD
VDCCCLIPESP FYLEGEGGLF EYIEKRLKES GHMVLVIAEG AGQDLMSKSM ESMTLKDASG NKLLKDVGLW
LSQSIKDHFN QKKMVMNLKY IDPTYMIRAV PSNASDNVYC TLLAQSAVHG AMAGYTGYS GLVNGRQTYI
PFYRITEKQN HVVITDRMWA RLLSSTNQPS FLGPKDVF DN KKPMSALLD DGNCNGVVDV PPVTKEITK

Sequence Positions

1-489, 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

53,666 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_567742.1

NCBI GI

18416717

NCBI GenBank Nucleotide

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 GeneID

828733

NCBI Official Full Name

phosphofructokinase 3

NCBI Official Symbol

PFK3

NCBI Official Synonym Symbols

phosphofructokinase 3; T25K17.80; T25K17_80

NCBI Protein Information

phosphofructokinase 3

UniProt Gene Name

PFK3

UniProt Synonym Gene Names

ATP-PFK 3; Phosphofructokinase 3

UniProt Protein Name

ATP-dependent 6-phosphofructokinase 3

UniProt Synonym Protein Names

Phosphohexokinase 3

UniProt Primary Accession

Q94AA4

UniProt Secondary Accession

Q9STQ7

UniProt Related Accession

Q94AA4

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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