

## Product datasheet for **MR210641**

### **Pfkp (NM\_019703) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pfkp (NM_019703) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pfkp
Synonyms:	1200015H23Rik; 9330125N24Rik; ATP-PFK; PFK-C; PFK-P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR210641 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAGTGACTTGGATTCTTCGAGCTCCAGCGCCTATCCGAAGTACCTGGAGCACCTCTCTGGGGATGGCA  
AAGCTATCGGTGTCTGACCAGCGGGGATGCCAAGGCATGAATGCTGCTGTCCGCGTGTGGTGCG  
CATGGGAATCTACACGGGGCCAAAGTGTACTTTATATATGAGGGTTACCAAGGCTTGGTGGATGGAGGC  
TCCAATATTGTGAAGCCAAATGGGACTGTGTCTCCAGCATTCTGCAAGTGGGTGGGACCATCATCGGTA  
GTGCGCGCTGCAAAGCCTTTCGAAGCCGTGAAGGGCGCCTGAAAGCTGCCTGTAACCTGGCGCGCTTGGG  
CATAACCAATCTGTGCGTGATCGGCGGGGACGGAAGTCTCACGGGAGCCAACTCTCCGAAAGGAGTGG  
AGCGGACTTCTGGAAGAGCTGGCTCGGAATGGTGATATCGATAACGACACAGTGCAGAAGTATTCCTACC  
TCAACGTGGTGGGTATGGTGGGCTCCATTGACAATGACTTCTGTGGCACAGACATGACCATTGGTACAGA  
TTCAGCCCTGCACCGAATTATTGAAGTTGTTGATGCCATCATGACCACTGCTCAGAGCCACCAGAGGACC  
TTCGTCCTGGAGGTGATGGGGAGACACTGTGGTACTTGGCCTTGGTGAGCGCCTTGACTTGCGGTGCCG  
ACTGGGTGTTCTTCCGAGTCTCCACCTGAGGAAGATTGGGAGGAAAATATGTGCCTCAAACCTCTCAGA  
GAACCGAGCCCGAAAAAGAGGCTGAATATCATCATTGTGTCTGAAGGAGCAATCGACATGCAAAAATAAG  
CCAATCACCTCTGAGAAAATCAAGGAGCTTGTAGTGAAGAATTTGGGATTTGACACCCGGGTACCATCC  
TTGGGCATGTCCAACGAGGAGGGACCCCATCTGCATTTGACAGGATTTTGGCCAGCCGTATGGGAGTGG  
GGCTGTCAATGCCTTGTGGAAGCTACCCCGAGACCCAGCCTGTGTGCTGCTACTAAGAGGAAACCAA  
GCAGTGCCTGCCACTGATGGAGTGTGTGCAAATGACCCAGGATGTACAGAAGGCAATGGATGAAAGAA  
GATTTAAGGAAGCCGTGAAACTCCGAGGAAGCGTTTTGAGGGAACCTGAACACCTATAAGCGTCTTGC  
CATTAAACTGCCTGATGAGAAGATTGTCAAGAGCAACTGCAATGTAGCCGTATCAATGTAGGGGCACCT  
GCTGCCGAATGAATGCAGCCGTGCGCTCTGCTGTTTCGAGTCCGGATTGCAGACGGCCACAGATGTTTG  
CAATCTATGACGGCTTTGAAGGATTCGCCAATGGCCAAATCAAAGAAATCGGCTGGGCAGATGTCGGAGG  
CTGGACTGGACAAGGAGGTCCATTCTTGGGACAAAACGCACCCTACCTGGAAAGTACTTGGAGAAGATC  
GCAGAGCAGATGCATTCCCATAGTATCAATGCCCTTCTGATCATTGGAGGATTTGAGGCCTACCTAGGAC  
TCCTAGAGCTGGCAGCTGCCGGGAGAAACATGAGGCGTTCTGTGTCCCATGGTTATGGTTCCTGCTAC  
TGCTCCAACAATGTGCCGGTCCGATTTCCAGCATCGGGGCAGACACAGCTCTGAACACTATCACAGAC  
ACGTGCGACCGCATTAAACAGTCAGCCAGTGGGACCAAGCGCCGGGTGTTTCATCATTGAGACCATGGGTG  
GATACTGTGGCTACCTGGCCAACATGGGGCCCTTGCAGCAGGAGCTGATGCTGCCTACATCTTTGAAGA  
GCCATTTGATATCGGAGATTTGCAGTCCAACGTGCTGCACTTGACAGAGAAAATGAAGACCAGCATCCAG  
AGGGCCCTCGTACTCAGAAACGAAAGCTGCAGTGTAAATTATACCACTGACTTACTCTACCAGCTTACT  
CAGAGGAGGGCAAAGGAGTGTGTTGACTGCAGGAAAAACGTGCTGGGCCATATGCAGCAGGGGGGAGCACC  
GTCTCCATTGATAGGAATTTGGAACCAAGATTTCTGCCAAAGCAATGGAGTGGATCTCGGCCAAACTG  
AAGGGTCCCAGGGCACAGGGAAAAATTTGTTAGCGATGATTCCATTTGTCTGGGAATTTGCAAGA  
GAGATCTCCTGTTCAACCAGTGGCAGAGCTGAAGAAAGTCACTGACTTTGAGCACAGGATCCCCAAGGA  
GCAGTGGTGGCTGAAACTGCGGCCCATCATGAAGATCTTGGCCAAGTATGAGGCGAGCTATGACATGTCT  
GATTCAGGCAAGCTGGAGTCTTGCAGCACCATGAAGAATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR210641 protein sequence  
Red=Cloning site Green=Tags(s)

MSDLSSSSSAYPKYLEHLSGDGKAIGVLTSGGDAQGMNAAVRAVVRMGIYTGAKVYFIYEGYQGLVDGG  
SNIVEAKWDCVSSILQVGGTIIIGSARCKAFRSREGRLKAACNLARLGITNLCVIGGDGSLTGANLFRKEW  
SGLLEELARNGDIDNDTVQKYSYLNVMVGSIDNDFCGTDMTIGTDSALHRIIEVVDAIMTTAQSHQRT  
FVLEVMGRHCGYLALVSALTCGADWVFLPEPPEEDWEENMCLKLSENRRARKRLNIIIVSEGAIDMQNK  
PITSEKIKELVVKNLGFDTRVTILGHVQRGGTPSAFDRILASRMGVEAVIALLEATPETPACVVSLRGNQ  
AVRLPLMECVQMTQDVQKAMDERRFKEAVKLRGRRFEGNLNTYKRLAIKLPDEKIVKSNCNVAVINVGAP  
AAGMNAAVRSVAVRVIADGHKMFAYDGFEGFANGQIKEIGWADVGGWTGQGGSI LGTKRTLPGKYLEKI  
AEQMHSHSINALLIIGGFEAYLGLLELAAAREKHEAFVPMVMVPATVSNNVPGSDFSIGADTALNTITD  
TCDRIKQSASGTRRRVFIETMGGYCGYLANMGALAAGADAAYIFEFPDIDLQSNVVHLTEKMKTSIQ  
RGLVLRNESC SVNYTTDFIYQLYSEEGKGVFDCRKNVLGHMQGGAPSPFDRNFGTKISAKAMEWISAKL  
KGSQGTGKKFVSDDSI CVLGICKRDLLFQPVAELKKVTD FEHRIPKEQWWLKL RPIMKILAKYEASYDMS  
DSGKLESLQHHEEL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_019703.4](#), [NP\\_062677.1](#)

**RefSeq Size:** 4033 bp

**RefSeq ORF:** 2355 bp

**Locus ID:** 56421

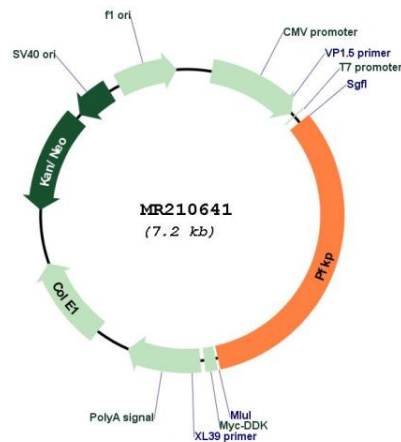
**UniProt ID:** [Q9WUA3](#)

**Cytogenetics:** 13 A1

**MW:** 85.5 kDa

**Gene Summary:** Catalyzes the phosphorylation of D-fructose 6-phosphate to fructose 1,6-bisphosphate by ATP, the first committing step of glycolysis.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR210641