

Product datasheet for **MR227628**

Pfkfb3 (NM_001177754) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Pfkfb3 (NM_001177754) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Pfkfb3 |
| Synonyms: | E330010H22Rik; iPFK-2; uPFK-2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>MR227628 representing NM_001177754
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGTTGGAAGTACCCAGAGCCGGGTACAGAAGATCTGGGTGCCCGTCGATACCGACCCTCGTTGC
 CCAGATCCTGTGGGCCGAAGCTGACCAACTCCCAACCGTGATTGTGATGGTGGGGCTCCCAGCCGGGG
 TAAGACTTACATCTCAAGAAGCTGACTCGCTACCTCAACTGGATAGGTGTTCCAACGAAAGTGTTCAAT
 GTGGGAGAGTATCGCGTGAGGCTGTGAAGCAGTACAGCTTTTACAACCTCTTCCGCCCTGACAATGAGG
 AAGCCATGAGAGTCCGAAAACAGTGTGCCTTAGCTGCCCTGAGAGATGTCAAAGCTACCTGACAAAGGA
 AGGTGGACAGATTGCAGTTTTTGTGCCACCAATACAACCTAGAGAAAGAAGGCACATGATCCTTAATTTT
 GCCAAAGAAAATGACTTCAAGGCATTTTTTCATCGAGTCGGTCTGTGACGACCCTACTGTTGTGCCCTCCA
 ACATCATGGAAGTAAAACTCCAGCCCGATTACAAAGACTGCAACTCAGCAGAAGCCATGGACGACTT
 CATGAAGAGAATCAATTGCTATGAAGCCAGCTACCAGCCTTTGACCCTGATAAATGTGACAGGGACTTG
 TCACTCATCAAAGTGATTGATGTTGGCCGGAGGTTCTTGGTGAACAGAGTGCAGGACCACATCCAGAGCC
 GAATTGTATACTACCTGATGAACATCCAGTGCAGCCCGTACCATCTACCTGTGTGCGCATGGCGAGAA
 TGAGTACAACCTTGAGGGCAAGATTGGGGGCGACTCAGGCTTGTCCAGCAGAGGCAAGAAGTTCGCCAAT
 GCCCTGAGCAAGTTCGTAGAAGAACAGAATCTGAAGGACCTCCGTGTGTGGACCAGCCAGCTGAAAAGTA
 CCATTCAGACCGCGGAGGCCCTGAGGCTCCCCTACGAGCAGTGGAAAGGCACTCAACGAGATCGATGCTGG
 TGTGTGTGAGGAACTAACCTATGAGGAGATCAGAGATACCTACCTGAGGAGTACGCACTGCGTGAACAG
 GACAAGTACTACTATCGCTATCCACCGGAGAGTCCCTACCAGGATCTTGTCCAACGCCTGGAGCCTGTGA
 TCATGGAATTAGAGCGCCAAGAGAATGTATTGGTCATCTGTACCAGGCTGTTCTACGCTGCCTACTAGC
 CTACTTCTCGACAAGAGTGCAGAGGAGATGCCATACCTGAAATGTCCGCTCCACACTGTCTGAAACTG
 ACACCTGTGGCATATGGGTGCCGGTGGAGTCCATTTACTTGAATGTAGAATCGGTGAGCACACCCGGG
 AGAGGTGAGAGGATGCAAAGAAGGGACCTAACCCGCTCATGAGACGCAATAGTGTACCCCACTAGCCAG
 TCCCGAGCCACCAAAAAGCCTCGCATCAACAGCTTTGAGGAGCGTGTGGCTTCCACTTCTGCTGCCCTG
 CCAAGCTGCCTGCCCCCGAAGTGCCACGCAGCTGCCCGGACAACCTTTGCTAGGGAAAGCCTGTCTAA
 CA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227628 representing NM_001177754
 Red=Cloning site Green=Tags(s)

MPELELQSRVQKIWVPVDHRPSLPRSCGPKLTNSPTVIVMVGLPARGKTYISKLLTRYLNWIGVPTKVFN
 VGEYRREAVKQYSSYNFRPDNEAMRVRKQCALAALRDVKSYLEKEGGQIAVFDATNTTRERRHMILNF
 AKENDFKAFFIESVCDPTVVASNIMEVKISSPDYKDCNSAEAMDDFMKRINCYEASYQLDPDKDRDL
 SLIKVIDVGRFRFLVNRVQDHIQSRIVYYLMNIHVQPRTIYLCRHGENEYNLQGKIGGDSGLSSRGKFFAN
 ALSKFVEEQNLKDLRVWTSQKSTIQTAELRLPYEQWKALNEIDAGVCEELTYEEIRDTYPEEYALREQ
 DKYYYRYPTGESYQDLVQRLEPVIMELERQENVLVICHQAVLRCLLAYFLDKSAEEMPYLKCPLHTVLKL
 TPVAYGCRVESIYLNVESVSTHRERSEDAKKGNPLMRRNSVTPLASPEPTKKPRINSFEERVAASAAAL
 PSCLPPEVPTQLPGQPLLKACL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001177754

ORF Size: 1542 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_001177754.1](#), [NP_001171225.1](#)

RefSeq Size: 5066 bp

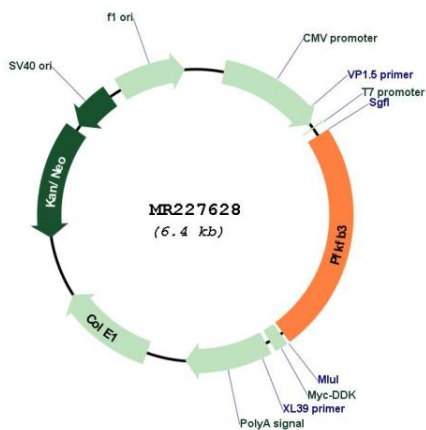
RefSeq ORF: 1545 bp

Locus ID: 170768

Cytogenetics: 2 A1

MW: 59.4 kDa

Product images:



Circular map for MR227628