

Product datasheet for **MR200848**

Pfn3 (NM_029303) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pfn3 (NM_029303) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pfn3
Synonyms: 1700012P12Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200848 representing NM_029303
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGACTGGAAGGGCTACATCAGTGCAGTCTGCGGGATCAGCGGATCGATGACGTGGCTATCGTGG
GCCACTCGGACAATCGCTGTGTGGGCATCACGGCTGGGGTCTGCTGGCTGCCATCTCCCCGAGGA
GGTGGGTGTGCTACCGGGCCAGACCGGCACACCTTTCTGCAGACGGGTCTGAGCGTGGCAGGCCCGC
TGCTGCGTTATCCGTGACTACCTGCTGGCCGAGGGTGACGGCGTACTGGATGCGCGACCAAGGGGCTAG
ACGGGCGTGCAATCTGTGTGGCCACACGCCACGGCGCTCCTGGTGCTCATGGCAGACGAGGCGTGCA
TGGAGGCATCTCAATAAGACAGTGCACGATCTGATTGGTGGGCTGCGTGAGCAGTGCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200848 representing NM_029303
Red=Cloning site Green=Tags(s)

MSDWKGYISAVLRDQRIDDVAIVGHSDNRCVWASRPGLLAAISPQEVGVLTGPDRHTFLQTGLSVAGRR
CCVIRDYLLAEGDGVLDARTKGLDGRAICVGHTPRALLVLMGRRGVHGGILNKTVHDLIGGLREQCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9052_f01.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:



ACCN: NM_029303

ORF Size: 411 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_029303.2](#), [NP_083579.1](#)

RefSeq Size: 574 bp

RefSeq ORF: 414 bp

Locus ID: 75477

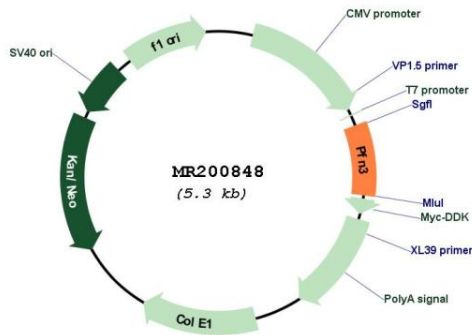
UniProt ID: [Q9DAD6](#)

Cytogenetics: 13 30.06 cM

MW: 15.1 kDa

Gene Summary: Binds to actin and affects the structure of the cytoskeleton. Binds to poly-L-proline, phosphatidylinositol 3-phosphate (PtdIns(3)P), phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2) and phosphatidylinositol 4-phosphate (PtdIns(4)P). Slightly reduces actin polymerization. May be involved in spermatogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200848