

Product datasheet for **MC214771**

Pfn4 (NM_028376) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pfn4 (NM_028376) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pfn4
Synonyms: 2900024P18Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214771 representing NM_028376
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTCACTTGCAGAACTTACTGTTAGATACCCTGCTGGGACGAAACACGTGGACAGCGCAGCCCTCA
 TCAAACCCAGGAAAAGACCCTGTGTGTGACATCACCAGGATTTAGTGTAATGCCAAGTGATGTTCGAAC
 ACTTCTGAATGGATTTGCCAAAAACCCATTATTAACGCGAAGGGAAGGGTTGATTTCAAGGAGAAGGAT
 TACAAATGTGTTCGGGCAGATGACTATTCTCTATGCTAAGAATGAGAACACTGGTGTGGTGGTGGTGA
 AGACCAACATGTATCTTGTGGTGGCAACTTACACTGCAGGCATGTATCCTAGCGTCTGCGTGGAAAGCCAC
 AGAGAAGCTGGGAGAGTATCTAAGGAAAAGGAAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_028376
Insert Size: 390 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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_028376.3](#), [NP_082652.1](#)

RefSeq Size: 1306 bp

RefSeq ORF: 390 bp

Locus ID: 382562

UniProt ID: [Q9D6I3](#)

Cytogenetics: 12 A1.1

Gene Summary: Binds to phosphatidylinositol 3-phosphate (PtdIns(3)P), phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2), phosphatidylinositol 4-phosphate (PtdIns(4)P) and phosphatidic acid (PA). Does not bind to actin, contrary to other family members (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.