

## Product datasheet for **MC201857**

### **Pfn2 (NM\_019410) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pfn2 (NM_019410) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pfn2
Synonyms:	Pfn
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC024363 sequence for NM\_019410  
 GCCGCTGCTGCGCCTCTGCTCCTGCCGTCCCGCTGCAGTGCGAAGGGCTCGAAGATGGCCGGTTGGCAG  
 AGCTACGTGGATAACCTGATGTGCGATGGCTGCTGCCAGGAGGCCGCCATTGTGCGCTACTGCGACGCCA  
 AATACGTCTGGGCAGCCACGGCCGGGGCGTCTCCAGAGCATCACGCCAGTAGAAATAGATATGATTGT  
 AGGAAAAGACCGGAAGGTTTCTTTACCAACGGTTTGACTCTTGGAGCAAAGAAGTGTCTGTGATCAGA  
 GATAGCCTATACGTTGATGGTACTGCACAATGGACATCCGGACAAGAGTCAAGGTGGGAGCCAACAT  
 ACAACGTTGCTGTTGGCAGGGCCGGAGAGTCTTGGTCTTTGTAATGGGAAAAGAAGGGGTCCATGGAGG  
 CGGATTGAATAAGAAGGCATACTCAATGGCAAAATACTTGAGAGACTCTGGGTTCTAGCTGCTAGGCAGA  
 CTGTTAAGTATTAGGGGAAAATTGCTCTTAAATTTTCTAGCTGTAAGCTTAAGTCTCCTTTGTATCCCT  
 CTGTTGGTGGGAAAAGGTGTCTTTCTTTCTGCCCTTCCCTTAAATAATTGTGTTTCATTTTTGTTTTGT  
 TTCCTTGTACTCCAGCATTGGTTATAGTCATGGGAAAGGAAGGTGCCACGCAGGCACAATTAACAAG  
 AAAACATATGAACTCGCTTATACCTGAAGAGGTCTGTAACCAACCTTTATCTGGCATCATAATTGCAGC  
 ACAATAATGATTTGCATGATATCTTGAACCTGGGAAAGGGGCATGCCAAGTTGGGCATCACTTCGTCCT  
 AGCAGTTAGTGGATTACTGATTACTAAAATAGGTTAATAGTAAGCAAGGTGCCGGTGTACAGTCTCTAAC  
 TCGATCAGTGTCTTTTCAGCACTTTGGAGCATTTCCTTGGCTCATCTAGTCTTCTTTTGTAGCGCATGG  
 TTGGGAGGAAAAGTGCATGCCTCTGTACGTACACCTTTCTCACCCCTCCCTACCAACACGAGGTGTTT  
 GGTCTGCTCCATTCTCTCTGTGTAGTGCCTGGTTTATTTAACTAATTAATACCTCCTCTGTTGATGAG  
 CTATTGAGAGTTGCAGTGTCTTTACTTTTTAATACAGTACTGCACCTGGGACAGACTATTTGTATGTCTA  
 TAGGACATGAAGCGTGCAGCTTGGAGAGCAAAGGCACTTCCCTCCACGACCTTACTGCAGTAACCATAAC  
 GATCAAATCCCAGGGACATTCTGTCAATGCAGTAGCTCAGACCTGTCTTTTCTTGCACACCAGCTGTGC  
 TCTTGAGAAAATGTAAGGCTGCCATTATGGATATTAGGTATCCCAACATAACCATCTGGAGTGTGCCA  
 GTTTATTTTTCATAGGACCAATTTTTATTTGCAGCTTAGGTTTTATATGAAGTTGCATTATTGTGGACT  
 TGGCTGTCTGTGATGTATTTTTTCATATGTATCCTGTGCCATACTATTGTTAAATGAACCTTTGTTGGC  
 TTGTGAGATGGATTTCTTTTCAATGGCACTACCTTAGGACATTCTAGTATTGCTTCTATTGTTGGGC  
 ATTGTGGATAATGTACAGATTTAAAAACAAATCTTGTGCTGATTTGTCCATTTCTTTCCCTGCACCTTG  
 TTACATCTGGGATACAGTCTAACTCATCTGACTTAATATGCATTTAAAAAATGCCATAACTATTAACA  
 CCTTGTTTACAGACAGATGAAATAAATTTATTCCAACCAATACTCCAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_019410

**Insert Size:** 423 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).

**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:** [BC024363](#), [AAH24363](#)

RefSeq Size: 1844 bp

RefSeq ORF: 423 bp

Locus ID: 18645

UniProt ID: [Q9JIV2](#)

Cytogenetics: 3 28.15 cM

**Gene Summary:** Binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG.[UniProtKB/Swiss-Prot Function]