

## Product datasheet for **MC225330**

### **Fn1 (NM\_010233) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fn1 (NM\_010233) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fn1  
**Synonyms:** E330027I09; Fn; Fn-1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >MC225330 representing NM\_010233  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCAGGGGTCGGGACCCGGGCGGCTGCTGCTGCTGGCAGTCTGTGCCTGGGACCTCGGTGCGCT  
GCACCGAAGCCGGGAAGAGCAAGAGGCAGGCTCAGCAAATCGTGCAGCCTCAATCCCCGGTGGCTGTCAG  
TCAGAGCAAGCCTGGCTGTTTTGACAATGGGAAGCACTATCAGATAAATCAGCAGTGGGAACGGACCTAC  
CTAGGCAACGCCCTGGTTTGTACCTGCTATGGAGGAAGCCGGGTTTTAACTGCGAGAGCAAGCCTGAGC  
CTGAAGAGACTTGCTTTGACAAAATACACTGGGAACACTTACAAAAGTGGGTGACACTTATGAGCGCCCTAA  
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CGCTGCCATGAAGGGGTCAGTCTACAAGATTGGCGACAAGTGGAGGAGGCCACATGAGACTGGTGGCT  
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GGCCACATGATGAGGTGCACGTGTGTGGGAACGGTCGTGGAGAATGGGCCTGCATCCCCTACTCCCAGC  
TCCGAGACCAGTGCATCGTTGATGACATTACTTACAATGTGAACGACACGTTCCACAAGCGTCACGAGGA  
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 GGATCCCCTCCCAGAGAAGTGGTCCCTCGGCCCGCCCTGGTGTACGGAGGCCACCATTACTGGTCTGG  
 AGCCAGGAACCGAGTACACCATCTACGTATTGCCCTGAAGAACAATCAGAAGAGTGAGCCCTGATTGG  
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 GGGAGAAAATGGCCAGCGGATGAGCTGCACATGCCTCGGGAATGGAAAGGGAGAATTCAAGTGTGATCCC  
 CATGAAGCAACGTGCTATGACGATGGGAAGACCTACCATGTAGGAGAACAGTGGCAGAAAAGAAATCTCG  
 GAGCCATTTGCTCCTGCACGTGTTTCGGAGGCCAGCGGGCTGGCGCTGTGACAACCTGCCGTAGACCTGG  
 GGCTGCTGAACCCAGTCCCGATGGCACCACCGGCCACACCTACAACCAGTATACACAGAGATACAATCAG  
 AGAACAAACACTAACGTAATGCCCCATTGAGTGCTTATGCCGCTAGATGTGCAAGCTGACAGAGACG  
 ATTCTCGAGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_010233
- Insert Size:** 7434 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:** [NM\\_010233.2](#), [NP\\_034363.1](#)

**RefSeq Size:** 8425 bp

**RefSeq ORF:** 7434 bp

**Locus ID:** 14268

**UniProt ID:** [P11276](#)

**Cytogenetics:** 1 36.05 cM

**Gene Summary:** Fibronectins bind cell surfaces and various compounds including collagen, fibrin, heparin, DNA, and actin. Fibronectins are involved in cell adhesion, cell motility, opsonization, wound healing, and maintenance of cell shape healing, and maintenance of cell shape. Involved in osteoblast compaction through the fibronectin fibrillogenesis cell-mediated matrix assembly process, essential for osteoblast mineralization. Participates in the regulation of type I collagen deposition by osteoblasts.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).