

Product datasheet for MC229729

Fn1 (NM_001276410) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fn1 (NM_001276410) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fn1
Synonyms: E330027I09; Fn; Fn-1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229729 representing NM_001276410
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCAGGGTCCGGACCCGGCGGCTGCTGCTGCTGGCAGTCCTGTGCCTGGGACCTCGGTGCGCT
 GCACCGAAGCCGGGAAGAGCAAGAGGCAGGCTCAGCAAATCGTGACGCTCAATCCCCGGTGGCTGTCAG
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 GCCACATGATGAGGTGCACGTGTGTGGGAACGGTCTGGAGAAATGGGCTGCATCCCCTACTCCCAGC



TCCGAGACCAGTGCATCGTTGATGACATTACTTACAATGTGAACGACACGTTCCACAAGCGTCACGAGGA
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 CTGACCACCACACCCAACCTCCTTGCTGGTGTATGGCAGGCGCCCGTGCCAGGATTACTGGCTACATTA
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 AACGCTGTGACGGAAGGCTGAACCCAGCCTACAGATGACTCATGCTTTGACCCCTTACACGGTTTCCATT
 ACGCCATTGGAGAGGAGTGGGAGCGGTTGTCTGACGCTGGCTTTAAGCTCACATGCCAGTGTGGGCTT
 TGGCAGTGGTCATTTTCAGATGCGATTCTAAATGGTGCATGACAACGGTGTCAACTACAAGATCGGA
 GAGAAGTGGGATCGGCAGGGAGAAAAATGGCCAGCGGATGAGTGCACATGCCTCGGAATGGAAAGGGAG
 AATTCAAGTGTATCCCATGAAGCAACGTGCTATGACGATGGGAAGACCTACCATGTAGGAGAACAGTG
 GCAGAAAAGAAATCTCGGAGCCATTTGCTCCTGCACGTGTTTCGGAGGCCAGCGGGCTGGCGCTGTGAC
 AACTGCCGTAGACCTGGGGCTGCTGAACCCAGTCCCGATGGCACCCAGGCCACACCTACAACCAAGTATA
 CACAGAGATACAATCAGAGAACAACAACACTAACGTAATGCCCCATTGAGTGCTTCATGCCGCTAGATGT
 GCAAGCTGACAGAGACGATTCTCGAGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001276410
- Insert Size:** 6891 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001276410.1](#), [NP_001263339.1](#)

RefSeq Size: 7882 bp

RefSeq ORF: 6891 bp

Locus ID: 14268

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 (4) lacks two in-frame exons in the coding region, compared to variant 1. The encoded isoform (d) is shorter than isoform a.