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Product datasheet for MC229727

Fn1 (NM_001276411) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fn1 (NM_001276411) 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:

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>MC229727 representing NM_001276411
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCAGGGGTCCGGGACCCGGGCGGCTGCTGCTGCTGGCAGTCCTGTGCCTGGGGACCTCGGTGCGCT
GCACCGAAGCCGGGAAGAGCAAGAGGCAGGCTCAGCAAATCGTGCAGCCTCAATCCCCGGTGGCTGTCAG
TCAGAGCAAGCCTGGCTGTTTTGACAATGGGAAGCACTATCAGATAAATCAGCAGTGGGAACGGACCTAC
CTAGGCAACGCCCTGGTTTGTACCTGCTATGGAGGAAGCCGGGGTTTTAACTGCGAGAGCAAGCCTGAGC
CTGAAGAGACTTGCTTTGACAAATACACTGGGAACACTTACAAAGTGGGTGACACTTATGAGCGCCCTAA
AGATTCCATGATCTGGGACTGTACCTGCATCGGGGCTGGGAGAGGCAGGATCAGCTGTACCATTGCAAAT
CGCTGCCATGAAGGGGGTCAGTCCTACAAGATTGGCGACAAGTGGAGGAGGCCACATGAGACTGGTGGCT
ACATGTTAGAGTGTCTGTGTCTGGGAAATGGAAAAGGGGAATGGACCTGCAAACCTATAGCTGAGAAGTG
TTTTGATCATGCTGCTGGGACGTCCTACGTCGTGGGGGAGACCTGGGAAAAGCCCTACCAAGGCTGGATG
ATGGTGGACTGTACTTGTCTAGGCGAAGGCAATGGACGCATCACCTGTACCTCCAGAAACAGATGCAACG
ATCAGGACACCCGGACATCCTATAGGATTGGAGACACGTGGAGCAAGAAGGACAACCGAGGAAACCTGCT
TCAGTGTGTCTGCACAGGCAATGGCAGAGGGGAGTGGAAGTGTGAGCGACATGCTCTACAAAGTGCTTCA
GCCGGATCTGGCTCCTTCACTGATGTCCGAACAGCTATTTACCAACCGCAGACTCACCCCCAGCCCGCTC
CCTACGGCCACTGTGTCACCGACAGTGGTGTGGTCTACTCTGTGGGAATGCAGTGGCTGAAGTCGCAAGG
AAACAAGCAAATGCTGTGCACGTGCCTGGGCAATGGCGTCAGCTGCCAGGAGACAGCCGTGACCCAGACT
TATGGTGGCAATTCAAACGGGGAGCCCTGTGTCCTCCCGTTCACCTACAACGGTAGGACCTTCTATTCCT
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GGAGATCTGCACAACCAATGAAGGGGTCATGTATCGCATTGGGGATCAGTGGGATAAGCAGCATGACCTG
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GGCCACATGATGAGGTGCACGTGTGTGGGGAACGGTCGTGGAGAATGGGCCTGCATCCCCTACTCCCAGC
TCCGAGACCAGTGCATCGTTGATGACATTACTTACAATGTGAACGACACGTTCCACAAGCGTCACGAGGA
GGGACATATGCTGAACTGTACCTGCTTTGGTCAGGGCCGGGGCAGATGGAAGTGTGACCCCATTGACCAG
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GATACCAGTGTTACTGCTACGGCCGTGGCATCGGGGAGTGGCACTGTCAACCTCTGCAGACCTACCCAGG
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GCCAGCACCCCTGTGACCAGCAACACGGTGACCGGAGAGACTGCGCCCTACTCTCCTGTTGTGGCCACTT
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GTTTATGCTCAGAACCGGAACGGAGAAAGCCAGCCCCTGGTTCAAACTGCAGTGACCACCATTCCTGCGC
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GCTCACTGGCTACCGGGTGCGGGTGAACCCGAAAGAGAAGACAGGACCAATGAAAGAAATCAACCTTTCT
CCAGACAGCTCATCGGTGATTGTGTCAGGACTCATGGTGGCCACTAAATACGAAGTCAGTGTCTATGCTC

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TCAAGGACACACTGACAAGCAGACCAGCCCAGGGAGTCATCACTACTCTGGAGAATGTTAGCCCTCCAAG
AAGGGCCCGTGTGACGGACGCTACAGAGACCACCATCACTATTAGCTGGAGAACAAAGACAGAGACAATC
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CTGACAGAGACGATTCTCGAGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001276411

Insert Size: 6816 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.

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RefSeq:	NM_001276411.1, NP_001263340.1
RefSeq Size:	7807 bp
RefSeq ORF:	6816 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 (5) lacks two in-frame exons and uses an alternate in-frame splice site in the coding region, compared to variant 1. The encoded isoform (e) is shorter than isoform a.

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