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Product datasheet for MR231928

Fn1 (NM_001276413) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fn1 (NM_001276413) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fn1
Synonyms:	E330027I09; Fn; Fn-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR231928 representing NM_001276413 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCTCAGGGGTCCGGGACCCGGGCGGCTGCTGCTGCTGGCAGTCCTGTGCCTGGGGACCTCGGTGCGCT GCACCGAAGCCGGGAAGAGCAAGAGGCAGGCTCAGCAAATCGTGCAGCCTCAATCCCCGGTGGCTGTCAG TCAGAGCAAGCCTGGCTGTTTTGACAATGGGAAGCACTATCAGATAAATCAGCAGTGGGAACGGACCTAC CTAGGCAACGCCCTGGTTTGTACCTGCTATGGAGGAAGCCGGGGTTTTAACTGCGAGAGCAAGCCTGAGC CTGAAGAGACTTGCTTTGACAAATACACTGGGAACACTTACAAAGTGGGTGACACTTATGAGCGCCCTAA AGATTCCATGATCTGGGACTGTACCTGCATCGGGGCTGGGAGAGGCAGGATCAGCTGTACCATTGCAAAT CGCTGCCATGAAGGGGGTCAGTCCTACAAGATTGGCGACAAGTGGAGGAGGCCACATGAGACTGGTGGCT ACATGTTAGAGTGTCTGTGTCTGGGAAATGGAAAAGGGGAATGGACCTGCAAACCTATAGCTGAGAAGTG TTTTGATCATGCTGCTGGGACGTCCTACGTCGTGGGGGAGACCTGGGAAAAGCCCTACCAAGGCTGGATG ATGGTGGACTGTACTTGTCTAGGCGAAGGCAATGGACGCATCACCTGTACCTCCAGAAACAGATGCAACG ATCAGGACACCCGGACATCCTATAGGATTGGAGACACGTGGAGCAAGAAGGACAACCGAGGAAACCTGCT TCAGTGTGTCTGCACAGGCAATGGCAGAGGGGAGTGGAAGTGTGAGCGACATGCTCTACAAAGTGCTTCA GCCGGATCTGGCTCCTTCACTGATGTCCGAACAGCTATTTACCAACCGCAGACTCACCCCCAGCCCGCTC CCTACGGCCACTGTGTCACCGACAGTGGTGTGGTCTACTCTGTGGGAATGCAGTGGCTGAAGTCGCAAGG AAACAAGCAAATGCTGTGCACGTGCCTGGGCAATGGCGTCAGCTGCCAGGAGACAGCCGTGACCCAGACT TATGGTGGCAATTCAAACGGGGAGCCCTGTGTCCTCCCGTTCACCTACAACGGTAGGACCTTCTATTCCT GCACCACCGAAGGGCGGCAAGACGGACATCTGTGGTGTAGCACAACTTCCAATTACGAACAAGACCAGAA GTATTCCTTCTGCACAGACCATGCGGTTTTGGTTCAGACTCGAGGCGGAAATTCCAATGGTGCTCTGTGC CACTTCCCCTTCCTGTACAACAACCGGAATTACACCGACTGTACTTCTGAGGGTCGCAGGGACAACATGA AATGGTGCGGCACCACCCAGAACTACGATGCCGATCAGAAGTTTGGATTCTGCCCAATGGCTGCCCACGA GGAGATCTGCACAACCAATGAAGGGGTCATGTATCGCATTGGGGATCAGTGGGATAAGCAGCATGACCTG GGCCACATGATGAGGTGCACGTGTGTGGGGAACGGTCGTGGAGAATGGGCCTGCATCCCCTACTCCCAGC

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Protein Sequence:

>MR231928 representing NM_001276413
Red=Cloning site Green=Tags(s)

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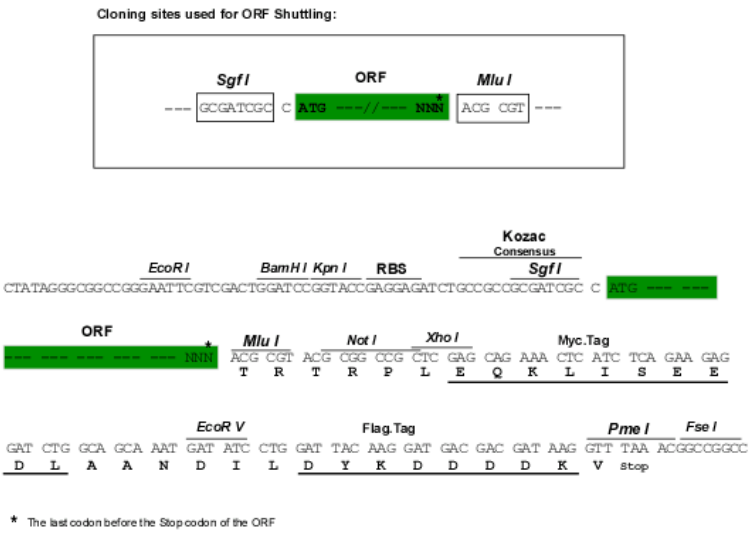
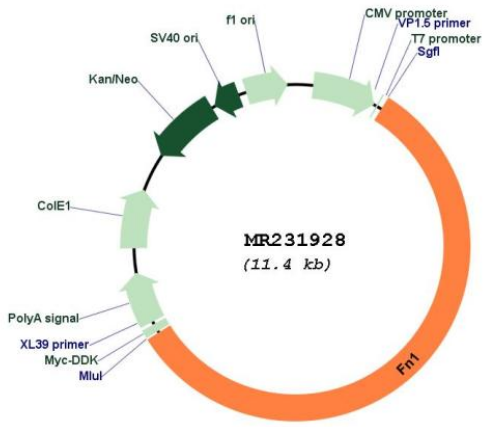
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001276413
ORF Size:	6528 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001276413.1, NP_001263342.1
RefSeq Size:	7522 bp
RefSeq ORF:	6531 bp
Locus ID:	14268
Cytogenetics:	1 36.05 cM
MW:	240.2 kDa
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]