

Product datasheet for MR231937

Fn1 (NM_001276412) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fn1 (NM_001276412) 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:	>MR231937 representing NM_001276412 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCAGGGTCCGGACCCGGGGCTGCTGCTGCTGGCAGTCCTGTGCCTGGGACCTCGGTGCGCT
GCACCGAAGCCGGGAAGAGCAAGAGGCAGGCTCAGCAAATCGTGCAGCCTCAATCCCGGTGGCTGTCAG
TCAGAGCAAGCCTGGCTGTTTTGACAATGGGAAGCACTATCAGATAAATCAGCAGTGGGAACGGACCTAC
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Protein Sequence:

>MR231937 representing NM_001276412
 Red=Cloning site Green=Tags(s)

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 TNTNVNCP IECFMPLDVQADRDSRE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_001276412.1, NP_001263341.1</u>
RefSeq Size:	7792 bp
RefSeq ORF:	6801 bp
Locus ID:	14268
Cytogenetics:	1 36.05 cM
MW:	250 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]