

Product datasheet for **MG227059**

Fn1 (NM_010233) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fn1 (NM_010233) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fn1
Synonyms: E330027I09; Fn; Fn-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG227059 representing NM_010233
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCAGGGGTCCGGGACCCGGGCGGCTGCTGCTGCTGGCAGTCTGTGCCTGGGGACCTCGGTGCGCT
 GCACCGAAGCCGGGAAGAGCAAGAGGCAGGCTCAGCAAATCGTGCAGCCTCAATCCCCGGTGGCTGTCAG
 TCAGAGCAAGCCTGGCTGTTTTGACAATGGGAAGCACTATCAGATAAATCAGCAGTGGGAACGGACCTAC
 CTAGGCAACGCCCTGGTTTGTACCTGCTATGGAGGAAGCCGGGTTTTAACTGCGAGAGCAAGCCTGAGC
 CTGAAGAGACTTGCTTTGACAAATACACTGGGAACACTTACAAAGTGGGTGACACTTATGAGCGCCCTAA
 AGATTCATGATCTGGGACTGTACCTGCATCGGGGCTGGGAGAGGCAGGATCAGCTGTACCATTGCAAA
 CGCTGCCATGAAGGGGTGAGTCTACAAGATTGGCGACAAGTGGAGGAGCCACATGAGACTGGTGGCT
 ACATGTTAGAGTGTCTGTGTCTGGGAAATGGAAAAGGGGAATGGACCTGCAAACCTATAGCTGAGAAGTG
 TTTTGATCATGCTGCTGGGACGTCCTACGTCGTGGGGGAGACCTGGGAAAAGCCCTACCAAGGCTGGATG
 ATGGTGGACTGTACTTGTCTAGGCGAAGGCAATGGACGCATCACCTGTACCTCCAGAAACAGATGCAACG
 ATCAGGACACCCGGACATCCTATAGGATTGGAGACACGTGGAGCAAGAAGGACAACCGAGGAAACCTGCT
 TCAGTGTGCTGCACAGGCAATGGCAGAGGGGAGTGGAAAGTGTGAGCGACATGCTCTACAAAGTGCCTCA
 GCCGGACTGGCTCCTTCACTGATGTCCGAACAGCTATTTACCAACCGCAGACTACCCCGAGCCCGCTC
 CCTACGGCACTGTGTACCCGACAGTGGTGTGGTCTACTCTGTGGGAATGCAAGTGGCTGAAAGTGCAGAGG
 AAACAAGCAAATGCTGTGCACGTGCCTGGGCAATGGCGTCAGCTGCCAGGAGACAGCCGTGACCCAGACT
 TATGGTGGCAATCAAACGGGGAGCCCTGTGTCCTCCCGTTCACCTACAACGGTAGGACCTTCTATTCT
 GCACCACCGAAGGGCGGCAAGACGGACATCTGTGGTGTAGCACAACCTTCCAATTACGAACAAGACCAGAA
 GTATTCTTCTGCACAGACCATGCGGTTTTGGTTCAGACTCGAGGCGGAAATCCAATGGTGTCTGTGTC
 CACTTCCCCTTCTGTACAACAACCGGAATTACACCGACTGTACTTCTGAGGGTCGACGGGACAACATGA
 AATGGTGGCCACCAACCCAGAACTACGATGCCGATCAGAAGTTGGATTCTGCCAATGGCTGCCACGA
 GGAGATCTGCACAACCAATGAAGGGTCATGTATCGCATTGGGGATCAGTGGGATAAGCAGCATGACCTG



[View online >](#)

GGCCACATGATGAGGTGCACGTGTGTGGGAACGGTCGTGGAGAATGGGCCTGCATCCCCTACTCCCAGC
 TCCGAGACCAGTGCATCGTTGATGACATTACTTACAATGTGAACGACACGTTCCACAAGCGTCACGAGGA
 GGGACATATGCTGAACTGTACCTGCTTTGGTCAGGGCCGGGGCAGATGGAAGTGTGACCCCATGACCAG
 TGCCAAGATTGAGAGACCCGGACATTTTACCAGATTGGTGACTCCTGGGAGAAGTTTGTGCATGGTGTCC
 GATACCAGTGTACTGCTACGGCCGTGGCATCGGGAGTGGCACTGTCAACCTCTGCAGACCTACCCAGG
 CACAACCTGGACCTGTCCAAGTAATTATCACGGAGACCCCCAGCCAGCCCAATTCCCACCCATCCAGTGG
 AATGCCCGGAGCCTTACACATCACCAAGTACATTCTCAGATGGAGACCTAAAACCTCTACGGTGTGATCTA
 GGAAGGAAGCTACCATTCTGGCCACCTTAACTCCTATACCATCAAAGGCCTGACCCAGGTGTGATCTA
 TGAGGGACAGCTCATCAGCATCCAGCAGTATGGCCACAGAGAAGTGACACGCTTCGACTTACCACCAGC
 GCCAGCACCCCTGTGACCAGCAACACGGTGACCGGAGAGACTGCGCCCTACTCTCCTGTTGTGGCCACTT
 CTGAATCTGTAAGTAAAATCACAGCCAGCAGCTTTGTGGTCTCATGGGTCTCAGCCTCCGACACCGTGTG
 AGGCTTCCGGGTGGAGTATGAGCTGAGCGAGGAGGAGATGAACCACAGTACCTTGATCTCCAAGCAGC
 GCCACTCCGTGAACATTCTGACCTGCTCCCGGGCAGAAAGTACATTGTCAATGTCTATCAGATATCTG
 AGGAGGAAAACAGAGCTTGATCCTGTCTACCTCACAGACTACAGCACCTGACGCTCCTCCAGACCCCTAC
 CGTGGACCAGTTGATGATACTTCCATTGTTGTTCCGGTGGAGTAGACCCAGGCACCTATCACAGGGTAT
 AGAATTGTCTATTCACCTCAGTAGAAGGCAGTAGCACAGAGCTCAACCTCCCTGAAACGGCCAACCTCCG
 TACCCTCAGCGACCTGCAGCCCGGTGTTCACTACAACATCACTATCTATGCTGTGGAGGAGAACCAGGA
 GAGCACACCCGTTTTTATCCAACAAGAGACCACTGGCACCCCAAGATCTGATAACGTCCCCCTCCGACG
 GACCTACAGTTTGTGAACTGACTGATGTGAAAGTACCATCATGTGGACCCCTCCTGATAGTGTGGTGT
 CTGGATACCGTGTGGAGTCTGCTGTGAGCCTGCCCGGGGAACATGGGAGAGGCTGCCTGTCAACAG
 AAATACCTTTGCTGAAATCACTGGGCTGTCCCTGGGGTACGTACCTCTTCAAAGTCTTTGCTGTGCAC
 CAGGGCAGGAAAGCAATCCTCTGACGGCACAACAGACCACCAAACTCGACGCTCCCACTAACCTCCAGT
 TTGTCAATGAAACTGACAGAACAGTTCTGGTAACGTGGACTTCCACTCGAGCCCGTATAGCAGCCTACCG
 ACTGACCCGGGGCTGACCCGAGGAGGCCAGCCCAAGCAGTACAATGTGGGACCCTTGGCCTCCAAGTAT
 CCCCTGAGAAATCTGCAGCCTGGGTCTGAGTACACCGTACCTTGGTGGCTGTGAAAGGGAACCAGCAGA
 GTCCCAAAGCCACCGAGTCTTTACTACCTGCAGCCTCTGCGCTCCATTCCACCTTACAACACCGAGGT
 GACAGAGACCACAATTGTGATCACCTGGACCCCGCTCCAAGGATTGGCTTCAAGCTGGGTGTACGACCG
 AGCCAGGGAGGTGAGGCACCCCGAGAAGTACTTCAAGTCTGGGAGCATTGTTGTGTCTGGCTTGACTC
 CAGGCGTGAATACACTACACCATCCAAGTCTGCGAGATGGCCAGGAGAGAGATGCACCGATTGTCAA
 CAGAGTAGTGACACCGCTGTCTCCACCGACCAACTTGCATCTGGAGGCAAACCTGACACTGGAGTGCTT
 ACTGTCTCCTGGGAGAGGAGCACTACCCAGATATCACTGGCTACAGAATAACTACTACCCCCACGAACG
 GGACGAGGGGACCTCTCTGGAAGAAGTGGTCCATGCTGATCAGAGTTCCCTGCACCTTTGAGAACCTGAA
 TCTTGGCCTGGAGTACAACGTCACTGTTTACACTGTCAAAGATGACAAGGAAAGTGCCCTATCTCTGAT
 ACCGTTGTCCCAGAGGTGCCCGAGTCACTGACCTAAGCTTTGTTGATATAACTGATTCAAGCATCGGCC
 TGAGGTGGACCCCGCTAAACTCTTCCACCATATCGGGTACCGAATCACAGTACTGCGGCAGGAGAAGG
 GATCCCTATTTTGAAGATTTTGTGGACTCCTCAGTAGGATACTACACAGTTACAGGGCTGGAGCCTGGC
 ATTGACTATGACATCAGCGTTTACTACTCTAATGCGGAGAGAGTGGCCCTACTACACTGACACAGC
 AAACGGCTGTCCCTCTCCACGGATCTGCGATTACCAATATCGGTCCAGACAGTACGGGCTCACTTG
 GGCCCGCCTCCGTCCATCGAGCTGACCAACCTTTGGTGGCTACTCACCCGTGAAGAATGAAGAGGAC
 GTTGACAGAGTATCCATTTACCTTACACAATGCGGTGGTCTTAAACAAATCTCCTGCCTGGGACAGAAT
 ACTTAGTCAAGTGTCTCCAGTGTCTACGAACAACATGAGAGCATCCCTCTCCGGGGAAGGCAGAAAACAGG
 TCTCGATTCCCCAACTGGTTTTGATTCTTCTGATATCACCGCAACTCATTCACTGTCCACTGGGTGGCT
 CCTCGGGCCCCATCACCGGCTACATCATCCGCCATCACGCCGAGCATTCTGCGAAGACCCAGGCAGG
 ATCGAGTGCCGCCCTCGCGAATTCATCACCTCACCAACCTAATCCGGGCACCGAGTACGTTGTGAG
 CATCATTGCTGTTAATGGCAGAGAGGAGAGCCCGCCACTGATTGGCCAGCAAGCCACAGTTTCTGATATT
 CCGAGAGATCTGGAGTCACTGCCTCCACCCACCAGCCTGCTCATCAGTTGGGAACCCCTGCCGTCT
 CTGTGCGCTATTACAGAATCACCTACGGAGAGACAGGAGGAAATAGCCCTGTCCAGGAGTCACTGTGCC
 CGGAAGCAAGTCCACAGCCACCTCAACAACATTAACCAGGAGCAGACTACACCATCACCTGTATGCT
 GCACTGGCCGTGGGGACAGTCCAGCAAGCAGCAAGCCAGTTTCCATCAATTATAAAAACGAAAATTGACA
 AGCCGTCCAGATGCAGGTGACAGATGTCCAGGACAACAGCATCAGTGTGAGGTGGCTGCCTTCAACTTC
 TCCTGTGACAGGCTACAGAGTGACCACCACTCCAAAAATGGCCTAGGACCATCAAAAACAAAACCTGCC
 AGTCCAGATCAAACAGAAATGACCATTGAAGGTTTGAACCCACTGTGGAGTACGTGGTTAGTGTATTATG

CTCAGAACCGGAACGGAGAAAGCCAGCCCCTGGTTCAAACCTGCAGTGACCAACATTGATCGCCCTAAAGG
ACTGGCATTCACTGATGTGGATGTCGATTCCATCAAAATTGCTTGGGAAAGCCCACAGGGGCAAGTTTCC
AGGTACAGGGTGACCTACTCGAGCCCTGAGGATGGAATCCGGGAGCTTTTCCCTGCACCTGATGGTGAAG
ACGACACTGCAGAGCTGCAGGGCCTCAGGCCGGGTCTGAGTACACAGTCAGTGTGGTTGCCTTGCACGA
TGATATGGAGAGCCAGCCCCTGATTGGAATCCAGTCCACAGCCATTCTCGCGCCACCAATCTGAAGTTC
AGTCAGGTGACACCCACCAGCTTTACTGCCCACTGGATAGCACCCAGTGTTCAGTCACTGGCTACCGGG
TGCGGGTGAACCCGAAAGAGAAGACAGGACCAATGAAAGAAATCAACCTTTCTCCAGACAGCTCATCGGT
GATTGTGTCAGGACTCATGGTGGCCACTAAATACGAAAGTCAGTGTCTATGCTCTCAAGGACACACTGACA
AGCAGACCAGCCAGGGAGTCATCACTACTCTGGAGAATGTTAGCCCTCCAAGAAGGGCCCGTGTGACGG
ACGCTACAGAGACCACCATCACTATTAGCTGGAGAACAAGACAGAGACAATCACTGGCTTCCAAGTCGA
TGCCATCCAGCCAATGGCCAGACCCCAGTTCAGAGGAGCATCAGCCGGATGTTAGAAGCTACACCATT
ACAGGTTTACAGCCAGGCACTGACTACAAGATCCACCTGTACACTCTGAACGACAATGCCCGGAGCTCGC
CCGTGATCATCGATGCCTCCACCGCCATCGACGCACCATCCAACCTGCGGTTCTGACCACCACACCCAA
CTCCTTGTGGTGTGATGGCAGGCGCCCGTGCCAGGATTACTGGCTACATTATCAAGTATGAGAAGCCT
GGATCCCCTCCCAGAGAAGTGGTCCCTCGGCCCGCCCTGGTGTACGGAGGCCACCATTACTGGTCTGG
AGCCAGGAACCGAGTACACCATCTACGTATTGCCCTGAAGAACAATCAGAAGAGTGAGCCCTGATTGG
GAGGAAGAAGACAGATGAGCTTCCCAACTGGTTACCCTTCCACACCCCAATCTTCATGGACCAGAGATC
TTGGATGTTCCCTCCACAGTTCAAAGACCCCCTTCATCACCAACCCTGGGTATGACACCGAAAATGGTA
TTCAGTTCCTGGCACAACCCACCAGCAACCCAGTGTGGGCAACAAATGATCTTTGAGGAACATGGCTT
TAGGCGGACAACGCCACCCTGCGGCCACCCCGTCAGGCTTAGGCCAAGACCATACCTGCCGAATGTA
GATGAGGAGGTCCAAATCGGTGATGTTCCAGGGGAGACGTAGACTACCACCTCTATCCTCATGTTCCGG
GCCTCAATCCAAATGCCTCTACAGGACAGGAAGCTCTCTCAGACAACCATCTTTGGACGCCGTTCCA
GGAGAGTTCTGAGTACATCATTTTCATGCCAACCAGTTGGCACCGACGAAGAGCCCTTACAGTTCCAAGTT
CCTGGAACCTTCTACCAGTGCAGCTCTGACTGGCCTTACCAGAGGGGTACCTACAACATCATAGTGGAGG
CACTGCAGAACCAGAGGAGGCACAAGGTTCCGGGAAGAGGTTGTGACTGTGGGCAACGCTGTGAGGAAAG
CCTGAACCAGCCTACAGATGACTCATGCTTTGACCCTTACACGGTTTCCATTACGCCATTGGAGAGGAG
TGGGAGCGGTTGTGACGCTGGCTTAAAGCTCACATGCCAGTGTGGGCTTTGGCAGTGGTCAATTTCA
GATGCGATTATCTAAATGGTGCCATGACAACGGTGTCAACTACAAGATCGGAGAGAAGTGGGATCGGCA
GGGAGAAAATGGCCAGCGGATGAGCTGCACATGCCTCGGGAATGGAAAGGGAGAATTCAGTGTGATCCC
CATGAAGCAACGTGCTATGACGATGGGAAGACCTACCATGTAGGAGAACAGTGGCAGAAAAGATATCTCG
GAGCCATTTGCTCCTGCACGTGTTTCGGAGGCCAGCGGGCTGGCCTGTGACAACCTGCCGTAGACCTGG
GGCTGCTGAACCCAGTCCCAGTGGCACCACCGGCCACACCTACAACCAAGTATACACAGAGATACAATCAG
AGAACAACACTAACGTAATGCCCCATTGAGTGCTTCATGCCGCTAGATGTGCAAGCTGACAGAGACG
ATTCTCGAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG227059 representing NM_010233
 Red=Cloning site Green=Tags(s)

```

MLRGP GPGRLLLLAVLCLGTSVRCTEAGKSKRQAQQIVQPQSPVAVSQSKPGCFDNGKHYQINQQWERTY
LGNALVCTCYGGSRGFNCE SKPEPEETCFDKYTGNTYKVGDTYERPKDSMIWDCTCIGAGRGRISCTIAN
RCHEGGQSYKIGDKWRRPHETGGYMLECLCLGNGKGEWTKPIAEKCFDHAAGTSYVVGETWEKPYQGWM
MVDCTCLGEGNGRITCTSRNRCNDQDTRTSYRIGDTWSKKNDRGNLLQCVCCTGNRGEWK CERHALQSAS
AGSGSFTDVRTAIYQPQTHPQPAPYGHCVTDSGVVYVSGMQWLK SQGNKQMLCTCLGNGVSCQETA VTQT
YGGNSNGEPCVLPFTYNGRTFYSC TTEGRQDGHLCWSTTSNYEQDQKYSFCTDHAVLVQTRGNSNGALC
HFPFLYNNRNYTDCTSEGRDRNMKWC GTTQNYDADQKFGFCPMAAHEEICTTNEGVMYRIGDQWDKQHDL
GHMMRCTCVGNRGEWACIPYSQLRDQCI VDDITYNVNDTFHKRHEEGHMLNCTCFGQGRGRWKCDPIDQ
CQDSETRTFYQIGDSWEK FVHGVRYQCYCYGRGIGEWHCQPLQTYPGTTGPVQVIITETSPQNSHPIQW
NAPEPSHITKYILRWRPKTSTGRWKEATIPGHLNSYTIKGLTPGVIYEQQLISIQYGHREVTRDFDFTS
ASTPVTNTVTGETAPYSPV VATESVTEITASSFVSWVSASDTVSGFRVEYELSEEGDEPQYLDLPST
ATSVNIPDLLPGRKYIVNVYQISEEGKQSLILSTSQTTAPDAPPDPTVDQVDDTSIVVWRSPQAPITGY
RIVYSPSVEGSSTELNL PETANSVTLSDLQPGVQYNIT IYAVEENQESTPVFIQETTGT PRSDNVPPPT
DLQFVELTDVKVTIMWTPPDSVVS GYRVEVLPVSLPGEHGQRLPVNRNTFAEITGLSPGVTYL FKFVAVH
QGRESNPLTAQTTKLDAPTNLQFVNETDRTVLVTWTPPRARIAGYRLTAGL TRGGQPKQYNVGPLASKY
PLRNLQPGSEYTVTLVAVKGNQ QSPKATGVFTTLQPLRSIPPYNTEVTETTIVITWTPAPRIGFKLGVPR
SQGGEAPREVTSDSGSIVV SGLTPGVEYTYTIQVLRDGGQERDAPIVNRVVTPLSPPTNLHLEANPDGTVL
TVSWERSTTPDITGYRITTTPTNGQQGTSLEEVHADQSSCTFENLNPGL EYNVSVYTVKDDKESAPISD
TVVPEVPQLTDL SFVDITDSSIGLRWTP LNSSIIGYRITVVAAGEGPIFEDFVDSVGYT VTGLEPG
IDYDISVITLINGGESAP TTLTQQTAVPPPTDLRFTNIGPDTMRVTWAPPPSIELNLLVRYSPVKN EED
VAEL SISPSDNAVVL TNLPGTEYLVSVSSVYEQHE SIPLRGRQKTGLDSPTGFDS SDITANSFTVHWVA
PRAPITGYIIRHHA EHSVGRPRQDRVPPSRNSITL TNLNPGTEYVVSIIAVNGREESPLIGQATVSDI
PRDLEVIASPTSL LISWEP AVSVRYRITYGETGGNSPVQEF TVPGSKSTATINNIKPGADYITITLYA
VTGRGDPASSKPVSYNYKTEIDKPSQM QVTDVQDNSISVRWLPSTSPVTGYRVTTTPKNGLGPSKTKTA
SPDQTEMTIEGLQPTVEYVVSVAQNRNGESQPLVQTAVTNIDRPKGLAF TDVDVDSIKIAWESPQGQVS
RYRVTYSSPEDGIRELFPAPDGEDDTAELQGLRPGSEYTVSVALHDDMESQPLIGIQSTAI PAPTNLKF
SQVTPTSF TAQWIAPSVQLTGYRVRVNPK EKTGPMKEINLSPDSSSVIVSGLMVATKYEVSVYALKD TLT
SRPAQGVITTTLE NVSPRRARVTDATETTITISWRTKTETITGFQVDAIPANGQTPVQRSISPDVRSYTI
TGLQPGTDYKIHLYTLNDNARSSPVIIDASTAIDAPS NLRFLTTTPNSLLVSWQAPRARITGYI IKYEK
GSPPREVVPRPRPGVTEATITGLEPGTEYTIYVIALKNNQKSEPLIGRKKTDEL PQLVTLPHPNLHGPEI
LDVPSTVQKTPFITNPGYDTENGIQLPGTTHQQPSV GQQMIFEEHGFRRTTPPTAATPVRLRPRYLPNV
DEEVQIGHVPRGDVDYHLYPHVPLGNPNASTGQEAL SQTTSWTPFQESSEYIISCQPVGTDEEPLQFQV
PGTSTSATLTGL TRGVTYNIIVEALQNRRHKVREEVVTGN AVSEGLNQPTDDSCFDPYTVSHYAI GEE
WERLSDAGFKLTCQCLGF GSGHFRCDSSK WCHDNGVN YKIGEKWDRQGENGQRM SCTLGNGKGEFKCDP
HEATCYDDGKTYHVGEQWQKEYLGAIC SCTCFGGQRGWRCDCNRRRPGAEPSPDGTGTGHTYNYQTQRYNQ
RTNTNVNCPICEFMPLDVQADRDSRE
  
```

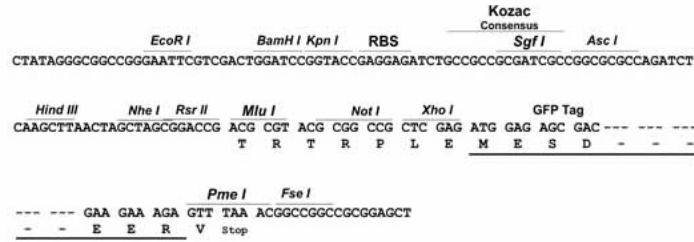
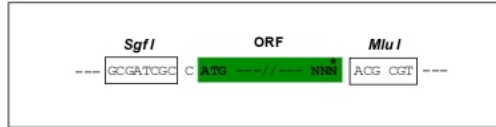
TRTRPLE - GFP Tag - V

Restriction Sites:

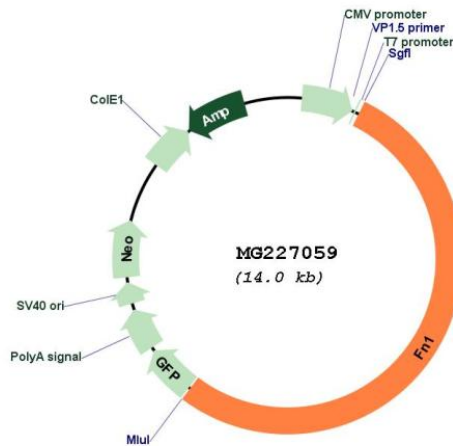
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_010233
ORF Size: 7431 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:	<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:	NM_010233.2 , NP_034363.1
RefSeq Size:	8312 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]