

Product datasheet for **MC221381**

Fign (NM_021716) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fign (NM_021716) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fign
Synonyms:	fi; fidget
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221381 representing NM_021716
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATCAGTAGCACCAGTGTATGGCTTGAAGATGCAGTGGACGCCGGAGCATGCCAGTGGCCAGAAC
 AGCACTTTGACATCACCTCGACCACTCGGTCTCCCGCCACAAAGTTGAAGCCTATAGAGGTCATTTACA
 GCGCACCTACCAGTATGCCTGGGCGAATGATGACATATCTGCTCTGACTGCGTCCAACCTTCTGAAAAA
 TATGCAGAGAAGTATTCTGGCATTGGAAGTCCCGTAGACCGACCTGTACTCAGCAATTATTCAGACA
 CACCATCAGGACTCGTGAATGGTCGAAAAATGATAGCGAACCTGGCAGCCTTCTTGAATTCAGAAGC
 CGTTTATCCTATGAACTGTGCCGGATGTCATCACTGCCAGCAAAGCTGGTGTGAGTCCAGCCCTCCCT
 CCAGTAGAGCTCTCGCAAGTATAGGGAGCTCCCTGGGGTGGCCAGCAACCTGACAGAGCCAAGTTACT
 CAAGTAGTACCTGTGGAAGCCACACAGTACCTAGTCTTCATGCGGGGCTCCCATCTCAGGAATATGCTCC
 GGGATACAACGGCTCATATTTGCATTCTACCTACAGCAGCCAGGCCACACCTGCATTCTTCGCCTCAT
 CCGTCCCCGTTGCATAGTTCTGGGCTTTTGCAGCCACCACCCCTCCTCCTCCCCACCAGCCCTGGTCC
 CAGGCTACAACGGGACTTCCAATCTCTCCAGTTACAGTTATCCCTCTGCTAGCTATCCTCCTCAGACTGC
 CGTGGGGTCTGGGTACAGCCCTGGCGGAGCACCCCTCCTCCTCAGCATACCTGCCTTCAGGAATTCCT
 GCTCCCACCCCTCTGCCCCACTACCGTTCCTGGCTACACCTACCAAGTTCATGGTTTGACACCCATTG
 CACCCTCTGCTCTGACCAACAATTCAGCAAGTTCTCTCAAAGGAAAGCTTTCTATATGGCAGGGCAAGG
 AGACATGGACTCCAGTTACGAAATTACAGCTATGGCCACAGAGATCGACACAGAGTCTATGTACCGA
 ATGCCCCACAACAGCATTCAAACCTCGAATCGGGGGAATGGCTTTGACAGAAATGCTGAAACATCATCT
 TAGCATTAAAGCCAACAAGCAGCTGATGCCCTCTGAGCAGCAAAGGAAATTCAGCAGCCAGTCCAGTAG
 GGCTCTGACCCCTCCTTCTATAGTACTGCTAAAAATTCATTGGGATCAAGGTCCAGTGAATCCTTTGGG
 AAGTATACGTCGCCAGTCATGAGTGAGCACGGAGACGACCATCGGCAGCTCCTCGCTCATCCAATACAAG
 GTCCCGGACTCCGTGAGCTACCTCATCAACCACTCTGTGGACGAGCAACTGAAGAATACTGACACACA
 CCTCATTGACCTGGTCACCAATGAGATCATCACCACAGGACCTCCTGTGGACTGGAGCGACATAGCTGGT
 CTTGACCTGGTGAAGGCGGTTTAAAGGAGGAGGTTTTGTGGCCAGTGTGAGGTGAGTGCATTGAGT
 GGCTGACCGCTTACCTAGAAGCATCTCTCTCGGACCTCGGGTACAGGCAAACACTTTTGGGCAG
 ATGCATAGCTAGTCAGCTAGGGCCACGTTTTTCAAATGCCGGTTCGGACTCGTTGCAAAGTGGATA
 GGAGAAGCGGAGAAAATCATCCACGCCTTTTTCTGTGGCCAGTGTGCCAGCCCTCGGTGATTTTTG
 TTAGTGACATTGACATGCTTCTCCTCTCAAGTGAGCGAGGAACACAGTCCAGTCCAGTCCGATGAGAAC
 CGAATTTCTGATGCAGCTGGACACTGTACTGACTTCGGCTGAGGACCAAATCGTAGTCATTTGTGCCACC
 AGTAAACCAGAAGAAATAGATGAATCTCTCGGAGGACTTTCATGAAAAGACTTTTAAATCCCACTTCTG
 ACAGCACAGCGAGGCCACAGATAATAGTACAGCTGCTCACACAGCACAATTAAGTGTCTCAATGACAAGGA
 GTTTGCACTGCTGTCCAGCGCACAGAAGGCTTTTCTGGACTAGACGTGGCTCATTTGTGTGAGGAAGCA
 GCAGTGGGACCTCTCCATGCTATGCCAGCTACAGACCTTCAGCCATTATGCCAGCCAGTTAAGGCCCG
 TTACATATCAAGACTTTGAAAATGCTTTCTGCAAGATTCAGCCTAGCATATCTCAAAAAGAGCTTGATAT
 GTATGTTGAATGGAACAAAATGTTTGGTTCAGTCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_021716
Insert Size: 2280 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).
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_021716.5 , NP_068362.1
RefSeq Size:	9759 bp
RefSeq ORF:	2280 bp
Locus ID:	60344
UniProt ID:	Q9ERZ6
Cytogenetics:	2 37.19 cM
Gene Summary:	<p>ATP-dependent microtubule severing protein. Severs microtubules along their length and depolymerizes their ends, primarily the minus-end, suppressing microtubule growth from and attachment to centrosomes. Microtubule severing may promote rapid reorganization of cellular microtubule arrays and the release of microtubules from the centrosome following nucleation. Microtubule release from the mitotic spindle poles may allow depolymerization of the microtubule end proximal to the spindle pole, leading to poleward microtubule flux and poleward motion of chromosome (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>