

Product datasheet for **MC223481**

Fmnl2 (NM_172409) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fmnl2 (NM_172409) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fmnl2
Synonyms: 5430425K04Rik; Man
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223481 representing NM_172409
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAACGCGGGGAGCATGGACTCGCAGCAGACCGATTTCAAGGCGCACAACTGCCATTGAAGCTGC
CGATGCCCCGAGCCAGGTGAAGTGGAGGAGCGCTTTGCCATCGTGTGAATGCTATGAACCTACCTCTGA
CAAAGCCAGGCTACTGCGGCAGTATGACAATGAGAAAAATGGGAGCTGATCTGTGATCAGGAGCGATTC
CAGGTGAAGAACCCTCCCATACGTACATACAGAAGCTCAAAGGCTACCTGGACCCAGCTGTAACCAAGGA
AGAAATTCAGAAGGCGTGTTCAGAATCTACACAAGTGCTAAGAGAAGTGGAAATTTCAATTAAGAACC
CCACATTGGATGGGTGAGAGTGTTCAGTGAAGAAAACAAAGGCCCTGATGTTCTTGTGGAGTATTTG
TCTTTTGCACAGTATGCAGTCACTTTTGACTTTGAAAGTGTGGAAAGTACCATGGAGAGTACGGTGGACA
AATCAAAGCCCTGGAGCAGGTCCATCGAGGACCTGCACAGAGGGAGCAACCTGCCCTCACCTGTGGGCA
CAGTGTGTCCCGCTCTGGAAGACATTCTGCACTTCGATAATACTTTGCCAAGCAGAAGAACCCTGAAA
AATTCAGATTAGTGAGTAAGAAGGATGATGTTACGTTTGTATCATGTGTTACGAGCCATCATGAATT
ACCAGTATGGCTTCAACATGGTCATGTCTCATCCACGCGCTCAATGAGATTGCATAAGTCTGAACAA
CAAAAATCCAGAACAAAAGCTCTGTCTTGGAGCTGTTGGCAGCCGTTTGTCTTGTGAGGCGGGCAT
GAAATAATTTTATCAGCTTTTGATAACTTCAAGGAGGTCTGCGGAGAAAAGCAGCGTTTTGAGAAGCTGA
TGGAACATTTTTCAGGAATGAAGATAAATAACATAGATTTTATGGTGGCCTCTATGCAGTTTATTAACATTGT
AGTCCATTCAGTAGAAGACATGAAGTTCAGAGTTCATCTACAATATGAATTCACCAAATAGGCCTGGAT
GAATACTTGGATAAGCTGAAACACACAGAGAGCGACAAGCTGCAAGTACAGATTCAGGCTTACCTGGACA
ATGTGTTTGTGAGTGGGAGCTCTGTTGGAAGACGCAGAAACCAAGAATGCTGCCTTGGAGCGGGTGGAGGA
GCTGGAAGAAAACATCTCTCATTGCTGAAAAGCTGCAGGACACGGAGAACGAAGCCATGTCCAAGATC
GTGGAAGTGGAAAAGCAACTTATGCAGAGGAATAAGGAAGTGGATGTTGTCGGGAAATCTACAAGATG
CAAATACCAAGTTCACACGTTAAGAAAAATGGTCAAAGAAAAGGAAGAAGCCATTCAAAGACAGTCTAC
CCTGGAAAAAAGATTACGAACTGGAGAAACAAGGGACCAATAAATTCAGAAGAAAGGGGATGGGGAC
ATTGCCATACTGCCAGTCATGGCCTCTGGCACGTTGTCCACGGGGTCAGAACTAGCAGTGGGTAACATATG



TGGGATCAGTTCAGGGGCCACCACCTCAGGACCCTCAGTCCCTCCTCCCCACCACTACCTCCATCATC
 AGACACATCTGAAGCAGCACAAAATGGAACAGCATCGCCACCTATGTCCCCACCTCCTCCCCACCCCT
 CCACCCCTCCCCACCCCTCCACCCCTCCACTCCCAGGCCCTGCAGCTGAGACTTCACCAGTCCTC
 CTCTGCCACCACCCACCTCCCTCTGCACCCCGCTGCCTGGGACTTCTTACCTACAGTGGTTTTCAA
 CTCAGGATTAGCAGCTGTGAAAATTAAGAAGCCAATCAAGACGAAGTCCGAATGCCAGTGTTAACTGG
 GTCGCCCTGAAGCCAATCAGATCAACGGCACAGTCTTCAATGAAATCGATGATGAGCGGATCCTAGAGG
 ACTTAAATGTGGACGAATTTGAAGAAATATTCAGACAAAAGCCAAGGTCCTGCCATTGATCTTTCTTC
 AAGCAAGCAGAAAATAACACAGAAGGCATCAAGTAAAGTGACATTATTAGAAGCAAATCGAGCCAAAAT
 CTTGCCATAACTTTAAGGAAAGCTGGAAGTCTGCGGATGAGATATGTAAAGCTATTCATGTGTTTGACT
 TGAAGACGCTACCGGTTGACTTTGTTGAGTGTGGATGAGGTTCTTGCCAACTGAGAATGAGGTCAAAGT
 GCTTCGGTGTATGAGCGAGAGAGGAAGCCCTTGGAGAACTTGTGAGACGAGGACCGTTTCATGATGAG
 TTCAGTAAGATTGAGCGGCTGCTGCAGAAGATGACCATCATGGCCTTCATTGGGAACTTCACAGAGAGCA
 TTCAGATGCTGACTCCTCACTCAGCAATTATAGCAGCATCCGTCTCTATCAAGTCATCTCAAAGCT
 CAAGAAGATTCTGGAGATCATCTTGGCCCTTGGAACTATATGAATAGCAGCAAACGAGGAGCAGTCTAT
 GGATTTAACTTCAGAGTTTAGATCTGCTTTAGATACAAAGTCGACAGCCGAAAGCAAACACTGTTGC
 ACTATATATCAAATGTGGTAAAAGAAAAATATCAACAAGTACTCTGTTTATAATGAGCTTCATTACGT
 GGAAAAAGCTGCTGCAGTCTCCCTGGAGAACGTTCTGCTGGATGTGAAGGAGCTGCAGAGGGGGATGGAT
 TTAACCAAGAGAGAGTATACCATGCATGACCACAACCCCTGCTGAAAGAGTTTCTCTTCAACAGGAGG
 GCAAGCTGAAGAACTGCAGGAGGACGCGAAGATTGCTCAGGATGCCTTTGATGATGTGGTGAATATTT
 TGGCGAAAATCCCAAGACAACCTCCACCTCCGTGTTCTTCCCTGTCTTTGTTGATTTGTGAAAGCCTAC
 AAGCAAGCAGAAGAGGAAAATGAGCTGAGGAAAAAGCAGGAACAAGCTCTTATGGAAAAGCTGCTAGAGC
 AAGAAGCCCTGATGGAGCAGCAGGATGCAAAGTCTCCTCCATAAATCAAAGAGGCAGCAGCAAGAGTT
 AATTGCGGAATTAAGAAGCGACAAGTTAAAGATAACAGACATGTATACGAGGGAAAAGATGGCGCCATT
 GAAGACATTATCACAGCCTTAAAGAAGAATAATCACTAAATTTCCAAATGTTCACTCGAGGATCTTAG
 AAACCAACCCTACAGACGAGCCGATGCGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_172409
- Insert Size:** 3252 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:**
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_172409.2](#), [NP_765997.2](#)

RefSeq Size:	5851 bp
RefSeq ORF:	3252 bp
Locus ID:	71409
UniProt ID:	A2APV2
Cytogenetics:	2 C1.1
Gene Summary:	Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the cortical actin filament dynamics (By similarity).[UniProtKB/Swiss-Prot Function]