

Product datasheet for MC223513

Fmnl1 (NM_001077698) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fmnl1 (NM_001077698) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fmnl1
Synonyms: 8030453N10Rik; AI553564; Fmnl; Fnrl; Frls
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223513 representing NM_001077698
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGGCAACGCGGCTGGCAGCGCCGAACAGCCCGGGCCCCACCGCGTCGCCCCGAAGCAGCCAGCCG
 TCCCAAGCAACCAATGCCGGCGCCGGGAGCTGGAGGAGAGGTTACGCGGGTCTTGAAGTGTATGAA
 CTTGCCTCCAGACAAGGTCCAGCTGCTGAGCCAGTATGACAATGAGAAGAAATGGGAGCTCATCTGTGAC
 CAGGAGCGGTTTCAAGTCAAGAATCCCCCTGCAGCCTACATCCAGAAGCTGAAGAGCTACCTGGATACCG
 GTGGGGTCAGCCGAAAGGTAGCATCTGATTGGATGTCCAACCTGGGGTTAAGAGGCGAGTTCAGGAGTC
 TACACAGGTGCTGCGGGAAGTGGAGACTTCCCTGAGGACAAACCACATTGGGTGGGTGCAGGAGTTCCTC
 AATGAAGAGAACCGGGTCTGGATGTCTGCTTGAGTACCTGGCCTTTGCCAGTGTCTGTTGCATATG
 ACATGGAAAGCACAGACAGTGTGGCCTCTGGTGCAGAGAAGAGCAAGCCCTGGACCAGTCTGTGGAAGA
 CCTCAGCAAGGCACCTCCCTCATCTGTGCCAAAAGTCGCTGACCATCAAGCTGACCCCTGCCACAGC
 AGGAAGGCGCTGAGGAATCCCGAATCGTCAGCCAGAAGGATGATGTCCACGTGTGCATCATGTGCTAA
 GAGCCATCATGAACTACCAGTCCGGCTTACGCTTGTATGAACCACCCAGCCTGTGTCAATGAGATCGC
 TCTAAGCCTTAACAACAAGAGCCCAAGCAAGGCTCTGGTACTGGAGCTGCTGGCAGCTGTATGTCTC
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 ATTCATCAACATTGTGGTGCCTCTGTGGAGAATATGAACTTCCGTGTCTTCCCTGCAATATGAGTTCCT
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 AGGCGTATCTGGACAACGTTTTTGTGTTGGGACATTGTTGGAGGAGACAGAGACGAAGAATGCAGTGT
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 AGCGCTTCAGCGAGTCGACCCCATGGGCACTTCCAGACGAATCCCTGAACTGAGAAAAGTGCCTGTCCC
 TACCGTGGTGCACCCCTCGGCTCTAGAAGTGAAGTGGAGGAGCTTGGAGAAAAGGGTTAATCCGCATC
 CTGCGGGGGCCGGGGACGTCGTTTCCATCGAGATCCTTCCAGGCGCTGCGGCGACACCAAGCGGTGACG



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ACGCACAAGCTCCGAGGGTGTCCACTGATTCCCCTAGCACAGCAGAGTCAATCCCGAAGCAGCATCACC
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TGCTCCCCACCTCCGCCACCCCACTTGGTACTGATGGACCAGTGCCACCGCCACCGCCACCGCTCC
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ATCCAGACCAAGTCCGGATGCCACTGCTTAACCTGGGTGGCGCTGAAACCCAGCCAGATCACAGGCACTG
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GACCAAAATCCCAAGGTCCCTGCCTGGATATCAGCGCTCTGAAGGGGAAGGCCTCCCAAGAAGGCCCCACT
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GCCTGGTGCTCAAGGAGTTCTAAGGGCAACTCTCCACCATGGACAAGTTGCTGGCAGACAGCAAGAC
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AGGAAGCAGCTGCTGATACCTCAGGCAGGAAGAGCCTCCAACACCCAAGTCTCCACCAAGGCCCGGGC
ACAACAGATGGACCTCATCTGAGCTAAAACGGAAGCAGCAGAAAGAGCCACTCATACGAGAGTGAC
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GTGCAAGTGCTCGCCGGCGCCCTGGACCCCACTGCCGGTCACTACTGACCTCGCGCTAG

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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001077698
- Insert Size:** 3285 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_001077698.1](#), [NP_001071166.1](#)

RefSeq Size: 3774 bp

RefSeq ORF: 3285 bp

Locus ID: 57778

UniProt ID: [Q9JL26](#)

Cytogenetics: 11 E1

Gene Summary: Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the cortical actin filament dynamics and cell shape. May play a role in the control of cell motility and survival of macrophages.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) represents the longer transcript and it encodes the longer protein (isoform 2).