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Product datasheet for MC223512

Fmnl1 (NM_019679) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fmnl1 (NM_019679) 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:	>MC223512 representing NM_019679 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGCAACGCGGCTGGCAGCGCCGAACAGCCCGCGGGCCCCACCGCGTCGCCCCCGAAGCAGCCAGCCG TCCCCAAGCAACCAATGCCGGCGGCCGGGGAGCTGGAGGAGAGGTTCACGCGGGTCTTGAACTGTATGAA CTTGCCTCCAGACAAGGTCCAGCTGCTGAGCCAGTATGACAATGAGAAGAAATGGGAGCTCATCTGTGAC CAGGAGCGGTTTCAAGTCAAGAATCCCCCTGCAGCCTACATCCAGAAGCTGAAGAGCTACCTGGATACCG GTGGGGTCAGCCGAAAGGTAGCATCTGATTGGATGTCCAACCTGGGGTTTAAGAGGCGAGTTCAGGAGTC TACACAGGTGCTGCGGGAACTGGAGACTTCCCTGAGGACAAACCACATTGGGTGGGTGCAGGAGTTCCTC AATGAAGAGAACCGGGGTCTGGATGTCCTGCTTGAGTACCTGGCCTTTGCCCAGTGCTCTGTTGCATATG ACATGGAAAGCACAGACAGTGTGGCCTCTGGTGCAGAGAAGAGCAAGCCCCTGGACCAGTCTGTGGAAGA CCTCAGCAAGGCACCTCCCTCATCTGTGCCCAAAAGTCGCCTGACCATCAAGCTGACCCCTGCCCACAGC AGGAAGGCGCTGAGGAATTCCCGAATCGTCAGCCAGAAGGATGATGTCCACGTGTGCATCATGTGTCTAA GAGCCATCATGAACTACCAGTCCGGCTTCAGCCTTGTTATGAACCACCCAGCCTGTGTCAATGAGATCGC TCTAAGCCTTAACAACAAGAGCCCCAGAACCAAGGCTCTGGTACTGGAGCTGCTGGCAGCTGTATGTCTC GTGCGGGGAGGACACGACATCATCCTTGCGGCCTTTGACAACTTCAAGGAGGTTTGCGGGGAGCAGCACC GATTTGAAAAGCTAATGGAGTATTTCCGGCACGAAGACAGCAACATTGACTTCATGGTGGCTTGCATGCA ATTCATCAACATTGTGGTGCACTCTGTGGAGAATATGAACTTCCGTGTCTTCCTGCAATATGAGTTCACT CACCTGGGTCTGGACCTGTACTTGGAGAGGCTCCGGCTCACTGAGAGTGACAAGCTGCAGGTGCAGATCC AGGCGTATCTGGACAACGTTTTTGATGTGGGGACATTGTTGGAGGAGACAGAGACGAAGAATGCAGTGTT GGAGCACATGGAGGAACTGCAGGAGCAGGTGGCAACGCTGACAGAGCGGCTTCGGGACACAGAGAACGAC TCCATGGCCAAGATCGCTGAACTGGAGAAGCAGCTAAGCCAGGCTCGCAAGGAATTGGAGACCCTGAGGG AGCGCTTCAGCGAGTCGACCCCCATGGGCACTTCCAGACGAATCCCTGAACCTGAGAAAGTGCCTGTCCC TACCGTGGTGCGACCCTCGGCTCTAGAACTGAAGGTGGAGGAGCTTGAGGAAAAGGGGTTAATCCGCATC CTGCGGGGGCCGGGGGACGTCGTTTCCATCGAGATCCTTCCAGGCGCTGCGGCGACACCAAGCGGTGACG

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ACGCACAAGCTCCGAGGGTGTCCACTGATTCCCCTAGCACAGCAGAGTCAATTCCCGAAGCAGCATCACC
ACCGCCTCCGCCACCTCCACCACCACCTCCACTACCTAACCTCCAGTCCCAGCAGGAAGCCCCTCCCTCC
GCACCCCCGCTGGCCCCGCCCCTCCCAGGCTGCGCAGAGCCGCCACCTGCACCACCGTTGCCTGGAGACC
TGCCTCCCCCACCTCCGCCACCCCCACTTGGTACTGATGGACCAGTGCCACCGCCACCGCCACCGCCTCC
GGGAGGGCCCCCTGATATCCTTGGAGGACAAGGCCCAGATATCGGCCCAGGGGTGAAAGCCAAGAAACCC
ATCCAGACCAAGTTCCGGATGCCACTGCTTAACTGGGTGGCGCTGAAACCCAGCCAGATCACAGGCACTG
TCTTCACGGAGCTCAATGACGAGAAGGTGCTCCAGGAGCTAGACATGAATGACTTTGAGGAACACTTTAA
GACCAAATCCCAAGGTCCCTGCCTGGATATCAGCGCTCTGAAGGGGAAGGCCTCCCAGAAGGCCCCCACT
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CAGACAGAATCTGCCAGGCCATCGAGACGTATGACCTACAGACTCTCAGCTTGGATTTCTTGGAGCTGTT
GACCCGCTTCCTGCCCACGGACTACGAGCGTAGCCTCATAGCCCGATTCGAGAAGGAACAGCGGCCGATG
GAAGAGCTGTCAGAGGAGGACCGCTTCATGCTTCGCTTCAGTCGCATCCAGAGACTTCCGGAGCGCATGA
ACACACTCACCTTCCTGGGCAACTTTCCAGACACGGCCCAGCTGCTCATGCCGCAACTGAACGCCATCAT
TGCAGCCTCTATGTCTATCAAGTCCTCTGACAAGCTTCGCCAGATCCTAGAGATTGTCCTGGCTTTTGGC
AACTACATGAACAGTAGCAAGCGTGGGGCAGCCTATGGTTTCCGACTTCAGAGTCTGGATGCGTTGTTGG
AGATGAAGTCGACCGACCGGAAACAGACGTTGTTGCACTACTTGGTGAAGGTCATTGCTGAGAAGTACCC
ACAGCTCACGGGTTTTCATAGTGATCTGCACTTTTTGGACAAGGCAGGCTCAGTGTCCCTGGACAGCGTA
CTGGGAGACGTGCGCTCCTTGCAGCGAGGTCTGGAGCTGACGCAGAGAGAGTTTGTGCGGCAAGATGACT
GCCTGGTGCTCAAGGAGTTCCTAAGGGCCAACTCTCCCACCATGGACAAGTTGCTGGCAGACAGCAAGAC
AGCTCAGGAGGCCTATGAGTCTGTGGTGGAGTACTTTGGAGAAAATCCCAAGACCACATCCCCCTCCATG
TTCTTTTCCCTCTTCAGTCGCTTCACCAAGGCCTACAAGAAAGCGGAACAGGAGGTCGAACAGTGGAAGA
AGGAAGCAGCTGCTGATACCTCAGGCAGGGAAGAGCCTCCAACACCCAAGTCTCCACCCAAGGCCCGGCG
ACAACAGATGGACCTCATCTCTGAGCTAAAACGGAAGCAGCAGAAAGAGCCACTCATCTACGAGAGTGAC
CGAGATGGGGCCATCGAGGACATCATCACAGTGCTGAAGACAGTGCCCTTCACTGCCCGCACCGGCAAGC
GGACATCCCGGCTCCTCTGTGAGGCCAGCCTGGGAGAGGAGATGACCCTTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019679

Insert Size: 3273 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_019679.2, NP_062653.2

RefSeq Size:	3873 bp
RefSeq ORF:	3273 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 (1) lacks an alternate segment, which results in a frameshift and an early stop codon, compared to variant 2. The encoded isoform (1) is shorter and has a distinct C-terminus compared to isoform 2.