

Product datasheet for **MC229563**

Fmn1 (NM_001285458) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fmn1 (NM_001285458) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fmn1
Synonyms: Fmn; formin-1; ld
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229563 representing NM_001285458
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAAGGCACTCACTGCACCCTCCAGCTGCATAACCCATTGCCGAACCTGCTATATCAGCTTCTATC
 TTCCAAAAGGGGAAGTCAGAGGATTTTCATACAAGGGCACTGTAACCTAGACAGATCCAATAACGCTTT
 CCATAACTGCTACCAAGTCAGGGAGGGCCAGACATCACCAGCCTCAGCCAGCAGCCAAAACGAACATCCA
 GCGCAGATATTTTTCAAACAGACTCCCACAAAAACATCCTGACAGAGCTATACAAGCTCACAGCAGAGA
 AGGAGAGGCTGCTGGACAGTCTGCTGAGGTCAGACAACATCCTCGGTGTTTCAATGGGGAGCCAGGAGGG
 AAAGTTGCAGGAGCTGTGAGTAATCCTTGCCACTGGGGATGAGTATTTCCAGAGTGTGGCAACTGGCGC
 AGAGAACTCCCTGTGAGCTCTCTCATTAGGAGGAGCACCCAAGAGAACAAAAAGCCCGGAGGTCTGGCA
 GGAGGAGAGAGAGCCCGGAGGAGCTCCGGCAGAAGAGAACCAGGAGGAAAGGGCGTGGCTGCCAGGAGTC
 AGCATTTCAGATGGGGAAGGACCAGGTCTGTTCCAGTAGCTCCCTTTCTTTTCGAGCTCGGCCTAATCTC
 CGGCTCCTAGAAGAAAGAGGAAATTTAGTTCCTCGGGAAACGCTTACCTCTTCGCTACGGAGAAGAGAGA
 GGTGCCAGCCAACATCCTCAGGACACCGGATGCAGACCTGGCCTTCGGAACCTGGGAGAACCTCAGA
 GGACACTGATCTTGAAGGACCTCTGTCCCTGACAGCAGCCCACTGAGGTAGGAGATGCTGATGTGGGA
 GGGCAGCTCAAGAGTTCTCACCAGCAGGAGCCCCACAACCAATGTGTCTGAAAGCCATGGGAAACATG
 CAGGGGCAGAGAGGTGGAGCAGCAGGACTCGGAAAGTCAAAGTCAATGGAGAGGACTTGCAGTAAGAAACC
 TGTTTTCAAAGTGGTGGCCAAGATTCAGGAACCTCTGCCCAAGTAAAACGAATAGTTAGGGCGCATCAT
 GACGGCAAGGGAAGGTTGCCTATGGCCAGAGACCCAACTGAGTTTATCCCAAAGCTGACTTCTCTCA
 CCCTCCCAGGAGGTGAACTGAGACTCATAGTTCGGGAGGCTGGAGGAGGAGCAGCCAGGGATCAAGTC
 ATTGCGGTCTCAGCCCCAGAAAGACCTCCATTACCAAAGAACCAGCCAGCAGCCAGGCGCTGTGAAC
 AAGTTTCTCCGAAGGTGATAGAGAGTGAAGTTAGACGAAGCTACAGAGGGGAAAAGGTTGGGCTTCT
 CTCTCAACACAAGGGCCACCCACTTTCCAGAACTCGAAGCCAAAGGAAGGCTGGGCTACCGCAGAG
 TGCCATAAATCTTGCTTCTGGATCTGCCGCACCGGTAGGTCCTGATTCGCCACAACCCAAATGCGAT
 GAGAAGAAGCCAACCCCGAGTCCAACAGCTCTTGGCATGGTATTTAATAATTCATCGCCTCAGTCCA



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GCGCACAAACGGCTGTACCTGTTCCCTCGCCTCTGTCTCCAAGGTGTCCCAGTCCACAGCAGCATCA
 TAGGATCCTTCTGCTCCCACCACTGCCTAGTGAGGGAGAAGTTGTTTTAATGAGTACCCTAGTAGAAAAG
 AACGACGTCTCCTCTGGGTTCCCTCTGCTGACACCTGGAGCCATCATCTACTACGAAGGTCACGGAGA
 CCAAAGGAGCCAGCCGACTTCCCTCAGAGCAAGCCTTGGCTGGTGTCTGAGGAAGCTTCCGAAAA
 AGGCTTGGGGCCAGAGAAGATCACAGCTCCACCCAGCACCAGTTGCCACCAGAATACCAGGCTGCTATC
 CTACATCTGAAGAGGGAGCACAAGAAGAAATCGAAACCCTGCAGGCTCAGTTTGAATCAAGACATTTT
 ACATCCGGGGTGAGCACGCATTAGTAACAGCAAGACTTGAAGAAGCCATTGAAAACTCAAGCAACAGTT
 AGGAAAGCGCCGGGAAGGATGTGAAGAGATGAGAGATGTGTGCATTTCCACAGATGATGACTGCTCTCCA
 AAGGCTTTCAGAAATGTGTGCATCCAGACAGACAGAGAGACCTTCTCAAGCCCTGTGATGCTGAAAGCA
 AAGCAACCAGAAGCAGCCAGATAGTACCAAGAAGCTGACTATCTCCTTAACCCAGCTCTCTCCCTCAAA
 AGACAGCAAAGACATCCACGCCCATTCAGACAAGAGAAGGCACCTCCTCATCTAGTCAGCATAAGATA
 TCCCTCCAGCTCCCCCAGCCACCACCCTCCCTCCACCTCTCATTCTCCACCTCCGCCCTCCAC
 CTGGACTTGGACCTTTCCTCCAGCACCACCCATACCACCTGTGTGCTGTGTCGCCACCGCCACCTCC
 TCCGCTCCTCCTCAACTCCCGTCCCTCAAGTATGGACCACCACCACCACCCTCCTCCACCACCA
 CTTCCCAATGCTAGCTTTCCTAACAGTGGAGTCTCCTCCTCCTCCACCTCCTCCTCCGCCAGGAC
 TTGCACCCCACTCCTCCTGGACTGTCCTTTGGACTCAGCTCTTCTCCAGCCAGTATCCTCGTAAACC
 AGCCATTGAGCCAGCTGTCTATGAAACCTTTGTATTGGACCAGAATACAAATAAATGATAAAAGCCAA
 GACGCCGACCAACTTTATGGACTCCTTAGAAGAGCCTCATATAGGGACACAAGTGAATTTGAATATT
 TATTCTCAAGGACACAACCTCAACAGAAGAAAAACCCCTGTGAGAGGCTACGAAAAGAAGAACAAAGT
 CAAAAAGATCATCAAGTTATTGGATGGAAGCGATCTCAAAGTGTGGAAATCTTGATATCTAGTTTACAT
 CTAGAAATGAAAGATTTCAACAGGCCATTTACTGTGGATGACTCCGTGGTTGACCTGGAGACCTTAG
 CAGCCTTATATGAAAATCGAGCCAGGAGGATGAACTGACTAAAAAAGAAAGTACTATGAGACATCCAA
 AGAAGAAGACTTGAACCTGCTGGACAACTGAACAATTTTGCATGAGTTAGCCAGATTTCCCAATTTT
 GCCGAACGTGCCAGTGCATAATCTTCAGGGCTGTATTTCTGAGGGTATCACATCCTTACATCGAAAAG
 TAGAGATTGTACACGGGCTCGAAGGGCTTGTGCACATGAAGAGTGTGAAGGATATCTTAGCTCTCAT
 TCTGGCTTTTGGAACTACATGAATGGAGGAAACAGGACGCGAGGGCAAGCAGACGGATATAGTTTAGAA
 ATTCTGCCAACTCAAAGACGTCAAAGTCCGGGACAAAGGATGAATCTGGTGGACTATGTTGTGAAGT
 ACTACCTGCGATACTATGATCAGGAAGTGAACACAGACAAGAGTGTTCCTCCGCTGCCTGAACCACAGGA
 TTTCTTCTGGCCTCTCAAGTCAAGTTTGAAGACCTCCTAAAGGATTTGAGGAAGCTGAAGCGTCAACTA
 GAAGCAAGTGAGCAACAGATGAAGCTGGTGTGCAAGGAGTCCCCAAGGGAGTACCTGCAGCCTTTCAAGG
 ACAAACTGGAGGAGTTCTCAAGAAAGCCAAAAAGAGCAAGATGGAAGAAAGTCACTTGGAGAAATGC
 ACAGAAAAGTTTTGAAACAACAGTGGGATATTTTGAATGAAGCCAAAGACTGGAGAGAAGGAGGTACC
 CCCAGCTATGTGTTTATGGTGTGGTTTGTGAGTTCTGCAAGTACTTCAAGACATTTGGAAGCGGGAGAGTA
 AGAACATATCTAAAGAAAGATTGAAATGGCTCAGGCATCCGTCAGCAAAGTACATCAGAGAAGAAAGT
 GGAGACAAAGAAAATCAATCCCACCGCTAGTCTGAAAGAAAGACTGCGTCAGAAGGAAGCCAGCGTGGCC
 ACCAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001285458
- Insert Size:** 3999 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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| 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: | <u>NM_001285458.1, NP_001272387.1</u> |
| RefSeq Size: | 11523 bp |
| RefSeq ORF: | 3999 bp |
| Locus ID: | 14260 |
| Cytogenetics: | 2 57.3 cM |
| Gene Summary: | <p>Plays a role in the formation of adherens junction and the polymerization of linear actin cables.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks three alternate in-frame exons compared to variant 1. The resulting protein (isoform 3) is shorter compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p> |