

## Product datasheet for **MC224448**

### Fmn1 (NM\_001043322) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fmn1 (NM\_001043322) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fmn1  
**Synonyms:** BB164513; Fmn; formin-1; ld  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224448 representing NM\_001043322  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAAGGCACTCACTGCACCCTCCAGCTGCATAACCCATTGCCGAACCTGCTATATCAGCTTCTATC  
 TTCCAAAAGGGGAAGTCAGAGGATTTTCATAACAAGGGCACTGTAACCTAGACAGATCCAATAACGCTTT  
 CCATAACTGCTACCAAGTCAGGGAGGGCCAGACATCACCAGCCTCAGCCAGCAGCCAAAACGAACATCCA  
 GCGCAGATATTTTTCAAACAGACTCCCACAAAAACATCCTGACAGAGCTATACAAGCTCACAGCAGAGA  
 AGGAGAGGCTGCTGGACAGTCTGCTGAGGTCAGACAACATCCTCGGTGTTTCAATGGGGAGCCAGGAGGG  
 AAAGTTGCAGGAGCTGTGAGTAATCCTTGCCACTGGGGATGAGTATTTCCAGAGTGTGGCAACTGGCGC  
 AGAGAACTCCCTGTGAGCTCTCTCATTAGGAGGAGCACCCAAAGAGAACAAAAAGCCCGGAGGTCTGGCA  
 GGAGGAGAGAGAGCCCGGAGGAGCTCCGGCAGAAGAGAACCAGGAGGAAAGGGCGTGGCTGCCAGGAGTC  
 AGCATTTCAGATGGGGAAGGACCAGGTCTGTTCCAGTAGCTCCCTTTCTTTTCGAGCTCGGCCTAATCTC  
 CGGCTCCTAGAAGAAAGAGGAAATTTAGTTCCTCGGGAAACGCTTACCTCTTCGCTACGGAGAAGAGAGA  
 GGTGCCAGCCAACATCCTCAGGACCCGGATGCAGACCTGGCCTTCGAAACTCTGGGAGAACCTCAGA  
 GGACACTGATCTTGAAGGACCTCTGTCCCTGACAGCAGCCCACTGAGGTAGGAGATGCTGATGTGGGA  
 GGGCAGCTCAAGAGTTCTCACCAGCAGGAGCCCCACAACCAATGTGTCTGAAAGCCATGGGAAACATG  
 CAGGGGCAGAGAGGTGGAGCAGCAGGACTCGGAAAGTCAAAGTCAATGGAGAGGACTTGCAGTAAGAAACC  
 TGTTTTCAAAGTGGTGGCCAAGATTCAGGAACCTCTGCCCAAGTAAAACGAATAGTTAGGGCGCATCAT  
 GACGGCAAGGGAAGGTTGCCTATGGCCAGAGACCCAAACTGAGTTTATCCCAAAGCTGACTTCTCTCA  
 CCCTCCCAGGAGGTGAACTGAGACTCATAGTTCGGGAGGCTGGAGGAGGAGCAGCCAGGGATCAAGTC  
 ATTGCGGTCTCAGCCCCAGAAAGAGCCTCCATTACCAAAGAACCAGCCAGCAGCCAGGCGCTGTGAAC  
 AAGTTTCTCCGAAGGTGATAGAGAGTGAAGTTAGACGAAGCTACAGAGGGGAAAAGGTTGGGCTTCT  
 CTCTCAACACAAGGGCCACCCACACTTTCCAGAACTCGAAGCCAAAGGAAGGCTGGGCTACCGCAGAG  
 TGCCATAAATCTTGCTTCTGGATCTGCCGCACCGGTAGGTCCTGATTCGCCACAACCCAAATGCGAT  
 GAGAAGAAGCCAACCCCGAGTTCCAACAGCTCTTGGCATGGTATTTAATAATTCATCGCCTCAGTCCA



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GCGCACAAACGGCTGTACCTGTTCCCTCGCCTCTGTCTCCAAGGTGTCCCAGTCCACAGCAGCATCA  
 TAGGATCCTTCTGCTCCCACCACTGCCTAGTGAGGGAGAAGTTGTTTTAATGAGTACCCTAGTAGAAAAG  
 AACGACGTCTCCTCTGGGTTCCCTCTGCTGACACCTGGAGCCATCATCTACTACGAAGGTCACGGAGA  
 CCAAAGGAGCCAGCCCGACTTCCCTCAGAGCAAGCCTTGGCTGGTGTCTGAGGAAGCTTCCGAAAA  
 AGGCTTGGGGCCAGAGAAGATCACAGCTCCACCCAGCACCAGTTGCCACCAGGTATTGCCTCTGAAGGC  
 TTTCCCTGTGACAACTTCAAAGAGCAGACGGCAAAAGACCTTCCAATAAGGATGGAGGGGTTGGGTCC  
 CTGGTTACAGAGCCGACCACCCTGTCCATTTCTGCTCCATGAAGAGAAAAGAGAAGACAAGTAGAAGTGA  
 ATTGTACTTGGATCTCAACCCTGACCAGAGCCCAACAGAGCAGGACGACAGGACTCCAGGCAGACTCCAA  
 GCTGTCTGGCCACCCCAAGACAAAGGACACAGAAGAAAAAGTGGGACTGAAGTAACTGAAGCAGAAT  
 ACCAGGCTGCTATCCTACATCTGAAGAGGGAGCACAAGAAGAAAATCGAAACCCTGCAGGCTCAGTTTGA  
 ACTCAAGACATTTACATCCGGGGTGGAGCAGCATTAGTAACAGCAAGACTTGAAGAAGCCATTGAAAAT  
 CTAAGCAACAGTTAGGAAAGCGCCGGGAAGGATGTGAAGAGATGAGAGATGTGTGCATTTCCACAGATG  
 ATGACTGCTCTCAAAGGCTTTAGAAAATGTGTGCATCCAGACAGACAGAGACCTTCTCAAGCCCTG  
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 CTCTCTCCCTCAAAGACAGCAAAGACATCCACGCCCATTCAGACAAGAGAAGGCACCTCCTCATCTA  
 GTCAGCATAAGATATCCCTCCAGCTCCCCCAGCCACCACCCTCCCTCCACCTCTATTCTCCACC  
 TCCGCCCTCCACCTGGACTTGGACCTTTGCCTCCAGCACCACCATACCACCTGTGTCTGTCTGTGTCG  
 CCACCGCCACCTCCTCCGCTCCTCCTCAACTCCCGTGCTCCAAGTATGGACCACCACCACCACCAC  
 CTCCTCCACCACCACTTCCCAATGTCTAGCTTCTCTAACAGTGGAGGCTCCTCCTCCTCCACCTCC  
 TCCTCCGCCAGGACTTGACCCCCACCTCCTCTGGACTGTCTTTGGACTCAGCTTCTTCCAGCCAG  
 TATCCTCGTAAACAGCCATTGAGCCAGCTGTCTATGAAACCTTTGTATTGGACCAGAATACAAAATA  
 ATGATAAAGCCAAGACGCCGCACCACTTTATGGGACTCCTTAGAAGAGCCTCATATTAGGGACACAAG  
 TGAATTTGAATATTTATTTCTCAAAGGACACAACCTCAACAGAAGAAAAACCCCTGTCAGAGGCCTACGAA  
 AAGAAGAACAAGTCAAAAAGATCATCAAGTTATTGGATGGAAAGCGATCTCAAACCTGTGGGAATCTTGA  
 TATCTAGTTTACATCTAGAAATGAAAGATATTCACAGGCCATATTTACTGTGGATGACTCCGTGGTTGA  
 CCTGGAGACCTTAGCAGCCTTATGAAAATCGAGCCAGGAGGATGAACTGACTAAAATAAGAAAGTAC  
 TATGAGACATCAAAGAAGAAGACTTGAAGCTGCTGGACAAACCTGAACAATTTTTGCATGAGTTAGCCC  
 AGATTCCTCAATTTTGGCCAACGTGCCAGTGCATAATCTTCAGGGCTGTATTTCTGAGGGTATCACATC  
 CTTACATCGAAAAGTAGAGATTGCACACGGCCCTCGAAGGGCTTGTGCACATGAAGAGTGTGAAGGAT  
 ATCTTAGCTCTATTCTGGCTTTTGGAACTACATGAATGGAGGAAACAGGACCGGAGGGCAAGCAGACG  
 GATATAGTTTAGAAATTTGCCCAAACCTCAAAGACGTCAAAGTGGGACAAATGGGATGAATCTGGTGG  
 CTATGTTGTGAAGTACTACCTGCGATACTATGATCAGGAAGCTGGAACAGACAAGAGTGTTCCTCCGCTG  
 CCTGAACCACAGGATTTCTCCTGGCCTCTCAAGTCAAGTTTGAAGACCTCCTAAAGGATTTGAGGAAGC  
 TGAAGCGTCAACTAGAAGCAAGTGAAGCAACAGATGAAGCTGGTGTGCAAGGAGTCCCAAGGGAGTACCT  
 GCAGCCTTTCAAGGACAAACTGGAGGAGTTCTTCAAGAAAGCCAAAAAGAGCACAAGATGGAAGAAAGT  
 CACTTGGAGAATGCACAGAAAAGTTTGAACAACAGTGGGATATTTTGAAGTGAAGCCAAAGACTGGAG  
 AGAAGGAGGTACCCCCAGCTATGTGTTTATGGTGTGGTTTGGATTCTGCAGTGAAGTCAAGACATTTG  
 GAAGCGGGAGAGTAAGAACATATCTAAAGAAAGATTGAAAATGGCTCAGGCATCCGTGAGCAAACGACA  
 TCAGAGAAGAAAGTGGAGACAAAGAAAATCAATCCCACCCTAGTCTGAAAGAAAGACTGCGTCAGAAGG  
 AAGCCAGCGTGGCCACCACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001043322  
**Insert Size:** 4293 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001043322.1</a></u> , <u><a href="#">NP_001036787.1</a></u>
<b>RefSeq Size:</b>	11817 bp
<b>RefSeq ORF:</b>	4293 bp
<b>Locus ID:</b>	14260
<b>Cytogenetics:</b>	2 57.3 cM
<b>Gene Summary:</b>	Plays a role in the formation of adherens junction and the polymerization of linear actin cables.[UniProtKB/Swiss-Prot Function]