

Product datasheet for MC224512

Fmn1 (NM_010230) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fmn1 (NM_010230) 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: >MC224512 representing NM_010230
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAAGGCACTCACTGCACCCTCCAGCTGCATAACCCATTGCCGAACCTGCTATATCAGCTTCTATC
 TTCCAAAAGGGGAAGTCAGAGGATTTTCATACAAGGGCACTGTAACCTAGACAGATCCAATAACGCTTT
 CCATAACTGCTACCAAGTCAGGGAGGGCCAGACATCACCAGCCTCAGCCAGCAGCCAAAACGAACATCCA
 GCGGACATATTTTTCAAACAGACTCCCACAAAAACATCCTGACAGAGCTATACAAGCTCACAGCAGAGA
 AGGAGAGGCTGCTGGACAGTCTGCTGAGGTCAGACAACATCCTCGGTGTTTCAATGGGGAGCCAGGAGGG
 AAAGTTGCAGGAGCTGTGAGTAATCCTTGCCACTGGGGATGAGTATTTCCAGAGTGTGGCAACTGGCGC
 AGAGAACTCCCTGTGAGCTCTCTCATTAGGAGGAGCACCCAAAGAGAACAAAAAGCCCGGAGGTCTGGCA
 GGAGGAGAGAGAGCCCGGAGGAGCTCCGGCAGAAGAGAACCAGGAGGAAAGGGCGTGGCTGCCAGGAGTC
 AGCATTTTCAGATGGGGAAGGACCAGGTCTGTTCCAGTAGCTCCCTTTCTTTTCGAGCTCGGCCTAATCTC
 CGGCTCCTAGAAGAAAGAGGAAATTTAGTTCCTCGGGAAACGCTTACCTCTTCGCTACGGAGAAGAGAGA
 GGTGCCAGCCAACATCCTCAGGACCCGGATGCAGACCTGGCCTTCGAAACTCTGGGAGAACCTCAGA
 GGACTACTGATCTTGAAGGACCTCTGTCCCTGACAGCAGCCCACTGAGGTAGGAGATGCTGATGTGGGA
 GGGCAGCTCAAGAGTTCTCACCAGCAGGAGCCCCACAACCAAATGTGTCTGAAAGCCATGGGAAACATG
 CAGGGGCAGAGAGGTGGAGCAGCAGGACTCGGAAAGTCAAAGTCAATGGAGAGGACTTGCAGTAAGAAACC
 TGTTTTCAAAGTGGTGGCCAAGATTCAGGAACCTCTGCCCAAGTAAAACGAATAGTTAGGGCGCATCAT
 GACGGCAAGGGAAGGTTGCCTATGGCCAGAGACCCAAACTGAGTTTATCCCAAAGCTGACTTCTCTCA
 CCCTCCAGGAGGTGAACTGAGACTCATAGTTCGGGAGGCTGGAGGAGGAGCAGCCAGGGATCAAGTC
 ATTGCGGTCTCAGCCCCAGAAAGACCTCCATTACCAAAGAACCAGCCAGCAGCCAGGCGCTGTGAAC
 AAGTTTCTCCGAAGGTGATAGAGAGTGAAGTTAGACGAAGCTACAGAGGGGAAAAGGTTGGGCTTCT
 CTCTCAACACAAGGGCCACCCACTTTCCAGAACTCGAAGCCAAAGGAAGGCTGGGCTACCGCAGAG
 TGCCATAAATCTTGCTTCTGGATCTGCCGCACACGGTAGGTCCTGATTCGCCACAACCCAAATGCGAT
 GAGAAGAAGCCAACCCCGAGTCCAACAGCTCTGGCATGGTATTTAATAATTCATCGCCTCAGTCCA



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GCGCACAAACGGCTGTACCTGTTCCCTCGCCTCTGTCTCCAAGGTGTCCCAGTCCACAGCAGCATCA
 TAGGATCCTTCTGCTCCCACCACTGCCTAGTGAGGGAGAAGTTGTTTTAATGAGTACCCTAGTAGAAAAG
 AACGACGTCTCCTCTGGGTTCCCTCTGCTGACACCTGGAGCCATCATCTACTACGAAGGTCACGGAGA
 CCAAAGGAGCCAGCCGACTTCCCTCAGAGCAAGCCTTGGCTGGTGTCTGAGGAAGCTTCCGAAAA
 AGGCTTGGGGCCAGAGAAGATCACAGCTCCACCCAGCACCAGTTGCCACCAGGTATTGCCTCTGAAGGC
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 ACCAGGCTGCTATCCTACATCTGAAGAGGGAGCACAAGAAGAAAATCGAAACCCTGCAGGCTCAGTTTGA
 ACTCAAGACATTTACATCCGGGGTGGACGCATTAGTAACAGCAAGACTTGAAGAAGCCATTGAAAAT
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 ATGACTGCTCTCAAAGGCTTTAGAAAATGTGTGCATCCAGACAGACAGAGACCTTCCCTAAGCCCTG
 TGATGCTGAAAGCAAAGCAACCAGAAGCAGCCAGATAGTACCAAGAAGCTGACTATCTCCTTAACCCAG
 CTCTCTCCCTCAAAGACAGCAAAGACATCCACGCCCATTCAGACAAGAGAAGGCACCTCCTCATCTA
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 TCCGCCCTCCACCTGGACTTGGACCTTTGCCTCCAGCACCACCATACCACCTGTGTCTGTCTGTCTG
 CCACCGCCACCTCCTCCGCTCCTCCTCAACTCCCGTGCTCCAAGTATGGACCACCACCACCACCAC
 CTCCTCCACCACCACTTCCCAATGTCTAGCTTCTCTAACAGTGGAGGCTCCTCCTCCTCCACCTCC
 TCCTCCGCCAGGACTTGCACCCCACTCCTCCTGGACTGTCTTTGGACTCAGCTTCTTCCAGCCAG
 TATCCTCGTAAACAGCCATTGAGCCAGCTGTCTATGAAACCTTTGTATTGGACCAGAATACAAAATA
 ATGATAAAAGCCAAGACGCCGACCAACTTTATGGGACTCCTTAGAAGAGCCTCATATTAGGGACACAAG
 TGAATTTGAATATTTATCTCCAAGGACACAACCTCAACAGAAGAAAAACCCCTGTCAGAGGCCTACGAA
 AAGAAGAACAAGTCAAAAAGATCATCAAGTTATTGGATGGAAAGCGATCTCAAACCTGTGGGAATCTTGA
 TATCTAGTTTACATCTAGAAATGAAAGATATTCACAGGCCATATTTACTGTGGATGACTCCGTGGTTGA
 CCTGGAGACCTTAGCAGCCTTATGAAAATCGAGCCAGGAGGATGAACTGACTAAAATAAGAAAGTAC
 TATGAGACATCCAAAGAAGAAGACTTGAAGCTGCTGGACAAACCTGAACAATTTTTGCATGAGTTAGCCC
 AGATTCCTCAATTTTCCGAACGTGCCAGTGCATAATCTTCAGGGCTGTATTTTCTGAGGGTATCACATC
 CTTACATCGAAAAGTAGAGATTGTCACACGGCCCTCGAAGGGCTTGTGCACATGAAGAGTGTGAAGGAT
 ATCTTAGCTCTATTCTGGCTTTTGGAACTACATGAATGGAGGAACAGGACCGGAGGGCAAGCAGACG
 GATATAGTTTAGAAATCTGCCAAACTCAAAGACGTCAAAGTGGGACAAATGGGATGAATCTGGTGGAA
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 GAAAAGGATTTATTACAGCTTATACTTCCACATTGCTGTTTCATCCCAAGGAAGTCAAGACTGGAACCTCA
 AGCAGGAAGCTGGAACAGACAAGAGTGTTCCTCCGCTGCCTGAACCACAGGATTTCTTCTGGCCTCTCA
 AGTCAAGTTTGAAGACCTCCTAAAGGATTTGAGGAAGCTGAAGCGTCAACTAGAAGCAAGTGAAGCAACAG
 ATGAAGCTGGTGTGCAAGGAGTCCCAAGGGAGTACCTGCAGCCTTTCAAGGACAAACTGGAGGAGTTCT
 TCAAGAAAGCCAAAAAGAGCACAAGATGGAAGAAAGTCACTTGGAGAATGCACAGAAAAGTTTTGAAAC
 AACAGTGGGATATTTTGAATGAAGCCAAAGACTGGAGAGAAGGAGGTCACCCCAAGCTATGTGTTTATG
 GTGTGGTTTGGTCTGCAGTACTTCAAGACCTTTGGAAGCGGAGAGTAAGAACATATCTAAAGAAA
 GATTGAAAATGGCTCAGGCATCCGTGAGCAAACTGACATCAGAGAAGAAAGTGGAGACAAAGAAAATCAA
 TCCACCCTAGTCTGAAAGAAAGACTGCGTCAGAAGGAAGCCAGCGTGGCCACCAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010230
Insert Size: 4401 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:	<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_010230.2</u> , <u>NP_034360.2</u>
RefSeq Size:	11925 bp
RefSeq ORF:	4401 bp
Locus ID:	14260
UniProt ID:	<u>Q05860</u>
Cytogenetics:	2 57.3 cM
Gene Summary:	Plays a role in the formation of adherens junction and the polymerization of linear actin cables.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1, also known as IA).