

## Product datasheet for MC225641

### Fmn1 (NM\_001287817) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fmn1 (NM_001287817) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fmn1
Synonyms:	Fmn; formin-1; ld
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225641 representing NM_001287817 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGAAGAAAGTCACTTGGAGAATGCACAGAAAAGTTTGAACAACAGTGGGATATTTTGAATGAAGC  
 CAAAGACTGGAGAGAAGGAGGTCAACCCAGCTATGTGTTTATGGTGTGGTTGAGTTCTGCAGTGACTT  
 CAAGACCATTGGAAGCGGGAGAGTAAGAACATATCTAAAGAAAGATTGAAAATGGCTCAGGCATCCGTC  
 AGCAAAGTACATCAGAGAAGAAAGTGGAGACAAAGAAATCAATCCACCGCTAGTCTGAAAGAAAGAC  
 TCGCTCAGAAGGAAGCCAGCGTGGCCACCAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001287817
Insert Size:	315 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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<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>NM_001287817.1, NP_001274746.1</u>
<b>RefSeq Size:</b>	9027 bp
<b>RefSeq ORF:</b>	315 bp
<b>Locus ID:</b>	14260
<b>Cytogenetics:</b>	2 57.3 cM
<b>Gene Summary:</b>	<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 (5) represents the use of an alternate promoter, differs in the 5' UTR, lacks a significant portion of the 5' coding sequence and uses a downstream start codon compared to variant 1. The resulting protein (isoform 5) has a shorter N-terminus compared to isoform 1. Variants 5 and 6 encode the same protein. 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>