

## Product datasheet for **SC317977**

### FRMD5 (NM\_032892) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FRMD5 (NM\_032892) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** FRMD5  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_032892, the custom clone sequence may differ by one or more nucleotides

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ATGCTGAGCAGGTTGATGAGCGGCAGCAGCAGGAGCCTGGAGCGCGAGTACAGCTGCACC
GTGCGGCTGCTGGACGACAGCGAGTACACCTGCACCATCCAGAGAGATGCCAAAGGCCAG
TACCTGTTTGACCTTCTTTGCCACCATCTGAACCTACTTGAGAAAAGACTATTTTGGTATC
CGCTTTGTAGACCCAGATAAGCAGCGGCATTGGCTGGAATTTACAAAGTCTGTGGTGAAA
CAATTGAGATCCCAGCCTCCATTACCATTGTGCTTCCGTGTGAAGTTTTATCCTGCAGAC
CCTGCTGCTCTGAAAGAAGAAAATAACCAGGTATTTAGTCTTCTGCAGATCAAAGGGAT
CTCTACCATGGCCGACTCCTCTGTAAAACATCGGATGCTGCCTTGTAGCAGCTTACATC
CTTCAAGCGGAGATTGGGGATTATGACTCAGGGAAACACCTGAAGGCTACAGCTCCAAG
TTCCAGTTTTTCCCTAAACATTACAGAGAAGCTGAAAAGGAAAATTGCTGAGATTCACAAG
ACGGAAGTGAAGGTCAAACACCAGCAACATCAGAGCTGAACTTCTTAAGAAAAGCACAG
ACATTGAAAACATATGGAGTGGATCCTCACCCATGTAAGGACGTGTCAGGAAATGCTGCA
TTTCTGGCCTTCACTCCTTTTGGGTTTGTGTTCTTCAAGGAAACAAGAGGGTCCACTTC
ATTAATGGAATGAGGTGACCAAGCTGAAATTTGAAGGAAAGACTTTCTATTTATACGTA
AGTCAGAAAAGAGGAAAAGAAAATTATTCTTACATATTTTGTCTCAACTCCTGAAGCGTGT
AAGCACCTCTGGAATGTGGAATCGAGAACCAAGCCTTCTACAAGCTGGAGAAGTCAAGC
CAAGTCCGCACAGTGTCCAGCAGCAATTTATTCTTTAAAGGGAGCCGGTCCGATACAGT
GGCCGAGTTGCAAAGGAAGTCATGGAATCAAGTGCTAAGATCAAACGGGAGCCACCGGAA
ATACACAGAGCAGGGATGGTTCCAGCCGGAGCTGTCCCTCCATAACCCATGGCCCAAGG
CTGAGCAGCGTCCCAGGACCCGAGAGAGCTGTTACATCTCCATCATGGAAGGCCTA
GAGTCCTTACGGGACAGTGGCCATTCCACACCAGTGCCTTCCACTTCCATGGGGACACC
TTCCTGCCTCACGTGAGAAGCAGCCGGACAGATAGCAATGAGCGAGTAGCTGTGATTGCA
GACGAGGCTACAGCCCTGCAGACAGCGTGTGCCACCCTGTGGCTGAGCACAGCCTG
GAGCTGATGTTGCTTTCCCGCAGATCAATGGAGCCACCTGCAGCATTGAGGAGGAGAAG
GAATCTGAAGCCAGCACCCCAACTGCTACAGAGGTGGAGGCCCTTGGGGAGAGCTGAGG
GCCCTGTGTCAGGGGCACAGCGGCCCGAGGAGGAACAGGTGAATAAGTTTGTCTAAGT
GTCCTCCGTTTGTCTTGTGACCATGGGACTCCTCTTTGTTTTGCTCCTCCTCTGATC
ATCCTTACCGAGTCTGACCTTGACATTGCCTTTTTCCGTGATATCCGCCAGACCCCGAG
TTTGAACAATCCACTATCAATACTTTTGTCCCCTCAGGCATGGTTGCTGCAAAATC
CGCTCAGTGGTGAGCCTGCTCATTGACACC

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**Restriction Sites:** Please inquire



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<b>ACCN:</b>	NM_032892
<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>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_032892.3</a></u> , <u><a href="#">NP_116281.2</a></u>
<b>RefSeq Size:</b>	2261 bp
<b>RefSeq ORF:</b>	1713 bp
<b>Locus ID:</b>	84978
<b>UniProt ID:</b>	<u><a href="#">Q7Z6J6</a></u>
<b>Cytogenetics:</b>	15q15.3
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>May be involved in regulation of cell migration (PubMed:22846708, PubMed:25448675). May regulate cell-matrix interactions via its interaction with ITGB5 and modifying ITGB5 cytoplasmic tail interactions such as with FERMT2 and TLN1. May regulate ROCK1 kinase activity possibly involved in regulation of actin stress fiber formation (PubMed:25448675). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) encodes the longest isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>