

## Product datasheet for **SC313981**

### FRMD5 (AK090572) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FRMD5 (AK090572) Human Untagged Clone
Tag:	Tag Free
Symbol:	FRMD5
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AK090572, the custom clone sequence may differ by one or more nucleotides

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ATGCTGAGCAGGTTGATGAGCGGCAGCAGCAGGAGCCTGGAGCGCGAGTACAGCTGCACC
GTGCGGCTGCTGGACGACAGCGAGTACACCTGCACCATCCAGAGAGATGCCAAAGGCCAG
TACCTGTTTGACCTTCTTTGCCACCATCTGAACCTACTTGAGAAAAGACTATTTTGGTATC
CGCTTTGTAGACCCAGATAAGCAGCGGCATTGGCTGGAATTTACAAAAGTCTGTGGTGAAG
TTTTATCTGCAGACCCTGCTGCTCTGAAAGAAGAAATAACCAGGTATTTAGTCTTCCTG
CAGATCAAAGGGATCTCTACCATGGCCGACTCCTCTGAAAACATCGGATGCTGCCTTG
TTAGCAGCTTACATCCTTCAAGCGGAGATTGGGGATTATGACTCAGGGAACACCCTGAA
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GCTGAGATTACAAAGACGGAAGTGGTGGTCAAACACCCAGCAACATCAGAGCTGAACTTC
TTAAGAAAAGCACAGACATTGGAACATATGGAGTGGATCCTCACCCATGTAAGGACGTG
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AAGAGGGTCCACTTCATTAATGGAATGAGGTGACCAAGCTGAAATTTGAAGGAAAGACT
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ACTCCTGAAGCGTGAAGCACCTCTGAAATGTGGAATCGAGAACCAAGCCTTCTACAAG
CTGGAGAAGTCAAGCCAAGTCCGCACAGTGTCCAGCAGCAATTTATTCTTTAAAGGGAGC
CGGTTCCGATACAGTGGCCGAGTTGCAAAGGAAGTCATGGAATCAAGTGCTAAGATCAAA
CGGGAGCCACCGGAAATACACAGAGCAGGGATGGTTCCAGCCGGAGCTGTCCCTCCATA
ACCCATGGCCCAAGGCTGAGCAGCGTCCCAGGACCCGCAGAAGAGCTGTTACATCTCC
ATCATGGAAGGCCTAGAGTCTTACGGGACAGTGCCCATTCACACCAGTGCGTTCCACT
TCCCATGGGGACACCTTCTGCCTCACGTGAGAAGCAGCCGGACAGATAGCAATGAGCGA
GTAGCTGTGATTGCAGACGAGGCCTACAGCCCTGCAGACAGCGTGTGCCACCCCTGTG
GCTGAGCACAGCCTGGAGCTGATGTTGCTTTCCCGGCAGATCAATGGAGCCACCTGCAGC
ATTGAGGAGGAGAAGGAATCTGAAGCCAGCACCCCAACTGTACAGAGGTGGAGGCCCTT
GGGGAGAGCTGAGGGCCCTGTGTCAGGGGCACAGCGGGCCGAGGAGGAACAGGTGAAT
AAGTTTGTCTAAGTGTCTCCGTTTGTCTTGTGACCATGGGACTCCTCTTTGTTTTG
CTCCTCTCTGATCATCTTACCGAGTCTGACCTTGACATTGCCTTTTTCCGTGATATC
CGCCAGACCCCGAGTTTGAACAATCCACTATCAATACTTTTGTCCCCTCAGGCGATGG
TTTGCCTGCAAAATCCGCTCAGTGGTGAGCCTGCTCATTGACACC

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Restriction Sites: Please inquire



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<b>ACCN:</b>	AK090572
<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="#">AK090572.1</a></u> , <u><a href="#">BAC03480.1</a></u>
<b>RefSeq Size:</b>	2493 bp
<b>RefSeq ORF:</b>	1668 bp
<b>Locus ID:</b>	84978
<b>Cytogenetics:</b>	15q15.3
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	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]