

Product datasheet for **SC102980**

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
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_032892, the custom clone sequence may differ by one or more nucleotides

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ATGCTGAGCAGGTTGATGAGCGGCAGCAGCAGGAGCCTGGAGCGCGAGTACAGCTGCACCGTGCGGCTGC
TGGACGACAGCGAGTACACCTGCACCATCCAGAGAGATGCCAAAGGCCAGTACCTGTTTGACCTTCTTTG
CCACCATCTGAACCTACTTGAGAAAGACTATTTTGGTATCCGCTTTGTAGACCCAGATAAGCAGCGGCAT
TGGCTGGAATTTACAAAGTCTGTGGTGAACAATTGAGATCCCAGCCTCCATTACCATGTGCTTCCGTG
TGAAGTTTTATCTGCAGACCCTGCTGCTCTGAAAGAAGAAATAACCAAGTATTTAGTCTTCTGCAGAT
CAAAAGGGATCTCTACCATGGCCGACTCCTCTGTAAAACATCGGATGCTGCCTTGTAGCAGCTTACATC
CTTCAAGCGGAGATTGGGGATTATGACTCAGGGAAACACCCTGAAGGCTACAGCTCCAAGTTCCAGTTTT
TCCCTAAACATTCAGAGAAGCTGGAAGGAAAATTGCTGAGATTCACAAGACGGAAGTGAAGTGGTCAAAAC
ACCAGCAACATCAGAGCTGAACCTCTTAAGAAAAGCACAGACATTGGAACATATGGAGTGGATCCTCAC
CCATGTAAGGACGTGTCAGGAAATGCTGCATTTCTGGCCTTCACTCCTTTTGGGTTTGTGTTCTTCAAG
GAAACAAGAGGGTCCACTTCATTAATGGAATGAGGTGACCAAGCTGAAATTTGAAGGAAAGACTTTCTA
TTTATACGTAAGTCAGAAAGAGGAAAAGAAAATTATTCTTACATATTTTGTCTCAACTCCTGAAGCGTGT
AAGCACCTCTGGAATGTGGAATCGAGAACCAAGCCTTCTACAAGCTGGAGAAGTCAAGCCAAGTCCGCA
CAGTGTCCAGCAGCAATTTATTTCTTAAAGGGAGCCGGTCCGATACAGTGGCCGAGTTGCAAAAGGAAGT
CATGGAATCAAGTGCTAAGATCAACCGGAGCCACCGGAAATACACAGAGCAGGGATGGTCCCAGCCGG
AGCTGTCCCTCCATAACCCATGGCCCAAGGCTGAGCAGCGTCCCCAGGACCCGCAGAAGAGCTGTTCA
TCTCCATCATGGAAGGCCTAGAGTCCTTACGGGACAGTGCCCATTCACACCAAGTGCCTTCCACTTCCCA
TGGGGACACCTTCTGCCTCACGTGAGAAGCAGCCGACAGATAGCAATGAGCGAGTAGCTGTGATTGCA
GACGAGGCCTACAGCCCTGCAGACAGCGTGTGCCCACCCTGTGGCTGAGCACAGCCTGGAGCTGATGT
TGCTTTCCCGGCAGATCAATGGAGCCACCTGCAGCATTGAGGAGGAGAAGGAATCTGAAGCCAGCACCC
AACTGCTACAGAGGTGGAGGCCCTTGGGGAGAGCTGAGGGCCCTGTGTACAGGGCACAGCGGGCCCGAG
GAGGAACAGGTGAATAAGTTTGTCTAAGTGCTCCTCCGTTTGTCTTGTGACCATGGGACTCCTTTTG
TTTTGCTCCTCCTGATCATCCTTACCGAGTCTGACCTTGACATTGCCTTTTCCGTGATATCCGCCA
GACCCCGAGTTTGAACAATTCCACTATCAATACTTTTGTCCCCTCAGGCGATGGTTGCCTGCAAAATC
CGCTCAGTGGTGAGCCTGCTCATTGACACCTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032892 unedited

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ATTTTGAATACGACTCACTTATAGGGCGCCGCGATTCCGGCACGAGGCCAAGCTGAAAT
TTGAAGGAAAGACTTTCTATTTATACGTAAGTCAGAAAGAGGAAAAGAAAATTATTCTTA
CATATTTTGTCTCAACTCCTGAAGCGTGTAAAGCACCTCTGGAATGTGGAATCGAGAACC
AAGCCTTCTACAAGCTGGAGAAGTCAAGCCAAGTCCGCACAGTGTCCAGCAGCAATTTAT
TCTTTAAAGGGAGCCGGTTCCGATACAGTGGCCGAGTTGCAAAGGAAGTCATGGAATCAA
GTGCTAAGATCAAACGGGAGCCACCGGAAATACACAGAGCAGGGATGGTCCCAGCCGGA
GCTGTCCCTCCATAACCCATGGCCCAAGGCTGAGCAGCGTCCCCAGGACCCGCAGAAGAG
CTGTTCACATCTCCATCATGGAAGGCCTAGAGTCCTTACGGGACAGTGCCCATTCACAC
CAGTGCCTTCCACTTCCCATGGGGACACCTTCTGCCTCACGTGAGAAGCAGCCGGACAG
ATAGCAATGAGCGAGTAGCTGTGATTGCAGACGAGGCCTACAGCCCTGCAGACAGCGTGC
TGCCCACCCTGTGGCTGAGCACAGCCTGGAGCTGATGTTGCTTTCCCGCAGATCAATG
GAGCCACCTGCAGATTGAGGAGGAGAAGGAATCTGAAGCCAGCACCCCAACTGCTACAG
AGGTGGGAGGCCCTTGNNGGAGAGCTGAGGGCCCTGTGTACAGNGCACAGCGGGCCCCGA
GAGGAACAGTGATNAGTTGTTCTAGTGGTCCTCGTTTGTCTTGTGACCATGGACTCCTC
TTTGTCTCCTCTCTGATATCCTTACGGGTTGACTTGAATTGCTTTTTCCGG
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Restriction Sites: NotI-NotI
ACCN: NM_032892
Insert Size: 4000 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:	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_032892.2</u> , <u>NP_116281.1</u>
RefSeq Size:	5077 bp
RefSeq ORF:	732 bp
Locus ID:	84978
UniProt ID:	<u>Q7Z6I6</u>
Cytogenetics:	15q15.3
Protein Families:	Transmembrane
Gene Summary:	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] 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.