

## Product datasheet for **SC313573**

### FRMD3 (AK094281) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FRMD3 (AK094281) Human Untagged Clone
Tag:	Tag Free
Symbol:	FRMD3
Synonyms:	4.1O; EPB41L4O; EPB41LO; P41O
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AK094281, the custom clone sequence may differ by one or more nucleotides ATGAAAACATCCACCATACACCATGTGCTTTAGAGTGAATTCTACCCACATGAACCC TTGAAGATTAAGAAGAGCTCACAAGATACCTTTTATACCTTCAGATTAAGGGACATT TTTCATGGCCGCCTGCTGTGCTCTTTCTGATGCTGCCTACCTGGTGCCTGTATTGTT CAAGCTGAGCTTGGTGATTACGATCCTGATGAGCATCCTGAGAATTACATCAGTGAGTTT GAGATTTTCCCAAGCAGTCACAGAAGCTGAAAGAAAAATAGTGGAAATTCATAAAAAAT GAACTCAGGGGCAGAGCCACCAGTTGCTGAATTTAACTTGCTCCTGAAAGCTCACACT TTGGAAACCTACGGGTGGATCCTCACCCATGCAAGGATCAACAGGCACAACAACATTT TTAGGATTCACAGCTGCAGGCTTTGTGGCTTTTCAGGAAATAAGAGAATCCATTTGATA AAATGGCCAGATGTCTGCAAATGAAGTTTGAAGGGAAGACATTTTATGTGATTGGCACC CAGAAGGAGAAAAAGCCATGTTGGCATTCCATACTTCAACACCAGCTGCCTGCAAAACAT CTTTGGAAGTGTGGAGTGGAAAACCAGGCCTTTTATAAGTATGCAAAATCCAGTCAGATC AAGACTGTATCAAGCAGCAAGATATTTTTAAAGGAAGTAGATTTTCGATATAGTGGGAAA GTTGCCAAAGAGGTGGTGGAGGCCAGTTCCAAGATCCAGAGGGAGCCTCCTGAGGTGCAC AGAGCCAACATTACTCAGAGCCGAGTTCCCACTCCTTGAACAAACAGCTCATCATTAAAC ATGGAACCCCTGCAGCCCTGCTTCCTTCCCCAGCGAGCAAGAAGAAGAACTTCCTCTG GGTGAGGGTGTTCATTGCCTAAAGAGGAGAACATTTCTGCTCCCTTGATCTCCAGCTCC CCAGTGAAGGCAGCCCGGAGTATGAAGATCCCCCTAGTGAAGAGGAAGATAAAATAAAA GAAGAACCTTTAACCATCTCTGAACTAGTGTACAACCAAGTGCCAGCCTGCTCCCCACC CCTGTGGATGACGATGAGATTGACATGCTCTTTGACTGCTCTTCTAGGCTTGAGTTGGAA AGAGAAGACACAGATTCATTTGAGGATCTGGAAGCAGATGAAAACGCCTTTTTGATTGCT GAAGAAGAGGAGCTGAAGGAGGCTCGCCGTGCTTTGTCGTGGAGCTACGACATTCTGACT GGCCATATTCGGGTGAACCCACTGGTCAAGAGTTTTTCCAGGCTCCTTGTGGTGGGCCTG GGACTGCTGCTTTGTATTTCCCTGCTCCTCCTCTTTGGAGTCAGTCTCCATGCAG
Restriction Sites:	Please inquire
ACCN:	AK094281



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<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="#">AK094281.1</a></u> , <u><a href="#">BAC04321.1</a></u>
<b>RefSeq Size:</b>	1784 bp
<b>RefSeq ORF:</b>	1383 bp
<b>Locus ID:</b>	257019
<b>Cytogenetics:</b>	9q21.32
<b>Domains:</b>	B41
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	The protein encoded by this gene is a single pass membrane protein primarily found in ovaries. A similar protein in erythrocytes helps determine the shape of red blood cells, but the function of the encoded protein has not been determined. There is some evidence that this is a tumor suppressor gene, and there is also evidence linking defects in this gene to susceptibility to diabetic nephropathy in type 1 diabetes. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]