

Product datasheet for **SC329407**

FRMPD2 (NM_001042512) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: FRMPD2 (NM_001042512) Human Untagged Clone
Tag: Tag Free
Symbol: FRMPD2
Synonyms: PDZD5C; PDZK4; PDZK5C
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329407 representing NM_001042512.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

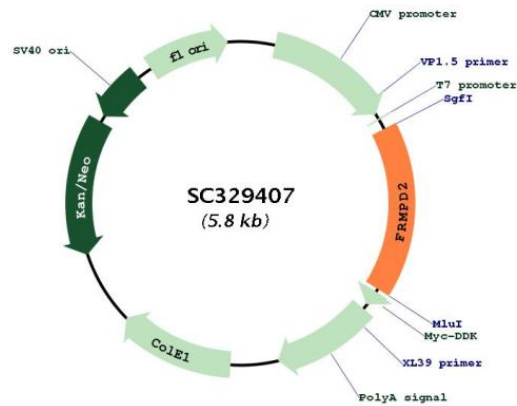
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ATGACATCTATCCCTTTCCAGGTGACCGACTCCTGCAGGTGGATGGAGTGATTCTGTGCGGCCTCACC  
CACAAGCAGGCTGTGCAGTGCCTGAAGGGTCTGGGCAGGTTGCAAGACTGGTCTTAGAGAGAAGAGTC  
CCCAGGAGTACACAGCAGTGTCTTCTGCTAATGACAGCATGGGAGATGAACGCACGGCTGTTTCCTTG  
GTAACAGCCTTGCTGCGAGGCCTTCGAGCTGTGTCTCAGTGACAGATGGTCTAAGTTTGAAGTCAA  
CTAAAAAAGAATGCCAATGGTTTGGGATTCAGTTTCGTGCAGATGGAGAAAGAGAGCTGCAGCCATCTC  
AAAAGTGATCTTGTGAGGATTAAGAGGCTTTTCCGGGCAGCCAGCTGAGGAGAATGGGGCCATTGCA  
GCTGGTGACATTATCCTGGCCGTGAATGGAAGGTCCACGGAAGGCCTCATCTCCAGGAGGTGCTGCAT  
TACTGAGAGGGGCCACAGGAAGTCACGCTCCTCCTTTGCCGACCCCTCCAGGTGCGCTGCCTGAG  
CTGGAGCAGGAATGGCAGACACCTGAACTCAGCTGACAAAGAATTACCAGGGCAACATGACTGAC  
TCATGTACCAGCCCCATCCTGGATCAAGAGGACAGCTGGAGGGACAGTGCCTCCCCAGATGCAGGGGAA  
GGCCTGGGTCTCAGGCCAGAGTCTTCCAAAAGGCCATCAGAGAGGCACAATGGGGCCAAAACAGAGAG  
AGACCTTGGGCCAGTTCCTTGACACATTCTCCTGAGTCCCACCCTCATTTATGCAAACCTCACCAAGAA  
AGGGATGAATCAACATTGGCGACCTCTTGGAAAAGGATGTGAGGCAAACTGCTATTTCAGTTTGTGAT  
ATCATGAGACTTGAAGATATTCCTTCTCATCTCCTCTAACCCAGACTTTCGACAGATATTTCTGA
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001042512

Insert Size: 963 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: [NM_001042512.2](#)

RefSeq Size: 1892 bp

RefSeq ORF: 963 bp

Locus ID: 143162

UniProt ID: [Q68DX3](#)

Cytogenetics: 10q11.22

MW: 35.1 kDa

Gene Summary: This gene encodes a peripheral membrane protein and is located in a region of chromosome 10q that contains a segmental duplication. This copy of the gene is full-length and is in the telomeric duplicated region. Two other more centromerically proximal copies of the gene are partial and may represent pseudogenes. This full-length gene appears to function in the establishment and maintenance of cell polarization. The protein is recruited to cell-cell junctions in an E-cadherin-dependent manner, and is selectively localized at the basolateral membrane in polarized epithelial cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2009]
Transcript Variant: This variant (4) lacks several 5' exons but contains an alternate 5' exon, and it thus differs in the 5' UTR and 5' coding region, compared to variant 3. The encoded isoform (4) has a distinct and significantly shorter N-terminus, compared to isoform 3.