

Product datasheet for RC217146L3

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

FRMPD2 (NM_001042512) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: FRMPD2 (NM_001042512) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: FRMPD2

Synonyms: PDZD5C; PDZK4; PDZK5C

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC217146).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001042512

ORF Size: 960 bp





FRMPD2 (NM_001042512) Human Tagged Lenti ORF Clone - RC217146L3

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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 001042512.1</u>, <u>NP 001035977.2</u>

 RefSeq Size:
 1870 bp

 RefSeq ORF:
 963 bp

 Locus ID:
 143162

 UniProt ID:
 Q68DX3

 Cytogenetics:
 10q11.22

MW: 34.9 kDa

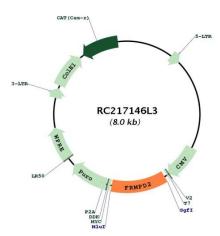
Gene Summary: This gene encodes a peripheral membrane protein and is located in a region of chromosome

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]



Product images:



Circular map for RC217146L3