

Product datasheet for **SC304162**

FRMPD4 (NM_014728) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FRMPD4 (NM_014728) Human Untagged Clone
Tag:	Tag Free
Symbol:	FRMPD4
Synonyms:	MRX104; PDZD10; PDZK10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304162 representing NM_014728. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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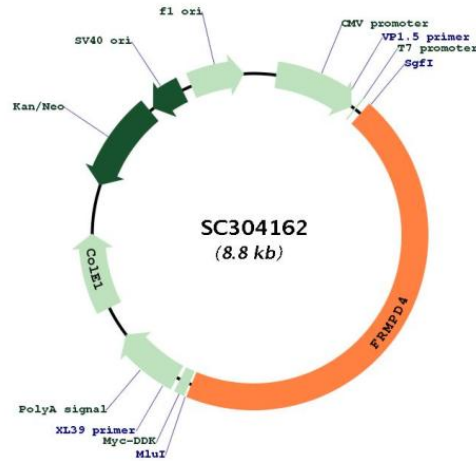


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Restriction Sites:

SgfI-MluI

Plasmid Map:


ACCN: NM_014728

Insert Size: 3969 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).

OTI Annotation: 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.

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_014728.3](#)

RefSeq Size: 8477 bp

RefSeq ORF: 3969 bp

Locus ID: 9758

UniProt ID: [Q14CM0](#)

Cytogenetics: Xp22.2

MW: 144.4 kDa

Gene Summary: This gene encodes a multi-domain (WW, PDZ, FERM) containing protein. Through its interaction with other proteins (such as PSD-95), it functions as a positive regulator of dendritic spine morphogenesis and density, and is required for the maintenance of excitatory synaptic transmission. [provided by RefSeq, Jan 2010]