

Product datasheet for **RG215568**

FRMPD4 (NM_014728) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FRMPD4 (NM_014728) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: FRMPD4
Synonyms: MRX104; PDZD10; PDZK10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG215568 representing NM_014728
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGTCTTCAGCTTTGTGAAGATTGCAAAGCTTTGAGCCACAGGACGAAGTCTTCAGGCTGGCCGC
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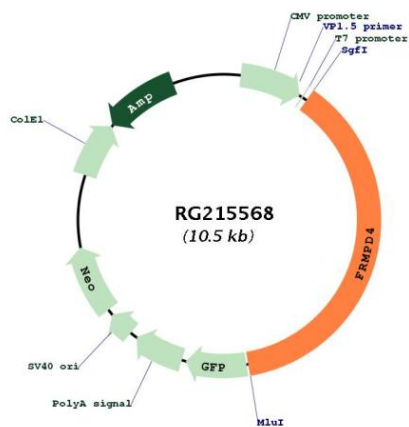
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CCTATCACGCTTCTGATGGAATCCTCAGATGCCATGAACCTGGCCTGCTTGACGGCTGGATACTACCGGCTGCTTGTGATTCCAGGAGGTTCGATATTTAACATGGCCAACAAGAAAAACACAGCGACCCAGGAAACAGGACCTGAAAAACAAGGGGAAGCATAACCTCCTTGGCCAGATTGGAAGTGTATACCCCAATGACCACCTTTATTGGCGAAGGGGAACAAGAAGCCAGATAACATACATAGATTCAAAGCAGAAGACGGTGGAGATCACAGACAGCACCATGTGTCCAAAAGAGCACCGGCACTGTACATAGACAATGCCTATAGTTCAGATGGACTTAAACAGCAGCTGAGCCAGCCCGGGAGGCCCTGTGAGGCAGACTACAGAAGTCTAGCTCAGCGGTCCCTATTTGACCCTCAGGACCAGAACTCTGAAGAAAGCACAGGAATCTCCGAGAGGAGCTAAAGTGTCTTTATTTTTGGAGACTTCGCCTTGGATGATGGTATTAGTCCCCAACCTTGGCTATGAAACGCTACTAGATGAGGTCCTGAAATGCTGGAGAAGCAGAGAAATCTCTACATTGGCAGTGCCAATGACATGAAGGCTGGATCTCACTCCAGAGGCAGAGGGCATCCAGTTTGTGAAAAATTCTGTTTATGCAAACATAGGCGATGTGAAGAGCTTCCAGGCCGCGGAGGGGATCGAGGAACCCCTTTCATGACATCTGTTATGCAGAAAACACTGATGACGCGGAGGACGAGGACGAGGTGAGCTGCGAGGAGGACCTCGTGGTGGGGAGATGAACCAGCCGGCCATCTCAACCTGTCTGGTCAAGCGATGACATCATTGACCTCACATCCCTGCCCTCCAGAAGGTGATGACATGAGGATGACTTCTGTTCGCTTCTTGAACATGGCCATTGCCGACCCCCACCTGGCTTTAGAGACAGTTCAGATGAAGAGGACTCTCAGAGCCAGGCAGCTTCTTCCCGAGGACAAGGAGAAAGGCAGCAGCCTGCAAAATGATGAGATCCCCGTGTCCCTCATTGACGCTGTGCCACCAGCGCGAAGCAAGTGTGAGAAGGACTGGATAATGCCGTCGTCTCCACGCTGGGAGCTCTAGAGGCTCTATCCGTGTGAGAAGACAGCAGACAGTGACAATTCAGGTGTAGCCATCTTGCGGGCTTATAGTCTGAGTCTTCGTGACTCGGGCAATGAACTAACTCTTCTGAAATGACTGAGAGTTCTGAACTGGCCACAGCACAAAAACAGTCAGAAAACCTCTCCGCATGTTCTTGGCCACTCACGAAGGCTACCACCCCTTGCAGAAGAGCAGACCGAGTTCCCGGCCTCAAACCCCGCTGGGGCTTGCCCTCAAAGTCTCGCACGCCCTGGCTGCTAGGCCAGCAACCGACCTCCCGCTAAGTCGGTCACTGACTATTTTAGCAAACCTGCACATGGGGTCGGTGGCATACTCTGCCTAGCAAAAAGAAAAGCAAGCTGGCCGATGGTGAGGGGAAGGCACCCCTAATGGGAACACAACAGGAAAAAACAGCAGGGACAAAAACGGCAGAGATGGAGGAGGAGCCAGTGGTAAATTTGGTACTGTGTCTTACGAGACAGTCAACACCTGAGCACTTTTAACTGGAGAGAACTGCCTTTCGCAAGGACAGTCAAAGATGGTATGTGGCCACTGAAGGTGGATGGCTGAAAAAGTGGATTAGAAGCAGCAACAGGGAAAAACCTTCCAAGAGCTTCTGGTCTTGGGGCAAGGGAGGCCGAAAGGAAGGAAGAGGAGCTCCTGATGGAGAAACAGTGTGGCTCAGGACTTGGTCAAGGGGACCGCTTCTTAACTGACGTGACCTGTGCATCTTCAAGCAAGACTTAGATAACCCAGAGGACGCTGACTCGTCCACCTGCGACCATCCTTCAAGCTTCTGAGGCTGATGAGAGTGTGGCCCGCTTGTGACTACCACTTGCCAAGCGGATGTCATCACTGCAAAGCGAGGGCCATTTTCTCTGCAGAGCTCCAAAGGCTCTTCAAGTGGATGCAGGCTGTGGCACAGGCAGCAGTGGCAGTGCCTGTGCCACACCCGTGGAGTCCCGCTCTGCCCTCCCTGGGAAGCACTTGATTCTGACGCTTCTGGAAAGGCGTGAATTACATTCCTTCAGAGGAGAGGCCCTGGGCTTCCAACCACGGAGCCACCTTAAAGGAACTGCACCCACAGACAGAAGGGATGTGTCCACGGATGACAGTGCCTGTCTGCACACAGCCATTAACACCGAACCCTGTTTGGCACATTGAGAGATGGATGCCATCGGCTCCCCAAGATTAAGGAAACCACAGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

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:	<ol style="list-style-type: none">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 , NP_055543.2
RefSeq Size:	6352 bp
RefSeq ORF:	3969 bp
Locus ID:	9758
UniProt ID:	Q14CM0
Cytogenetics:	Xp22.2
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]

Product images:



Circular map for RG215568