

Product datasheet for **RC225817**

FRMD1 (NM_001122841) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	FRMD1
Synonyms:	bA164L23.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RC225817 representing NM_001122841
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGATGTGAAGGCTACTGGCCGAGCTTTCCAGCAAGTGTCAACGTGGCGAGCATCAGAGACG
 CGCAGTTCTTTGGCCTCTGTGTGGTCAGAAACAATGAGTATATATTTATGGATTGGAGCAAAAGCTCAG
 CAAGTACTTCTCAAAGATTGGAAGAAAGAAAGAAATGAAGGAAATGAGAAACCCAGAGCCCCCTTCGTG
 GCCTTCCTCCGAGTGCAGCACTACGTGGAAGACGGAAGGGTCATAAGCGACCACAGGGCACGGCACCTGT
 ACTACTGCCACTTGAAGGAGCGCTGCTGAGGTACAGTGCCTCACCGGGAGGAAGCCTACTTCCTGCT
 GGCTGCCTGCGCGCTGCAGGCTGACCTGGGCGAGCACCGGGAGTCGGCCATGCCGGGAGGTACTTCGAG
 CCACACTCCTACTTCCACAGTGGATCATCACAAGAGGGGGATTGACTACATCCTCCGGCACATGCCTA
 CCCTGCACCGTGAGCGCCAGGGCCTGAGCCCCAAGGAGGCCATGCTGTGCTTCATCCAGGAGGCTGCCG
 GCTGGAGGACGTGCCGTGCACTTCTCAGGCTGCACAAGGATAAGAAGGAAGGTGTCCTCCACCGTGATC
 CTGGGACTGGCCCTCAGGGGAGTGACATCTACCAGGGAAAGAGCTGGAGATCCAGCTGGATGGGCTGC
 CCGCAGCACAGAAGCTGGTTTACTACACGGGGTGACCTGGCGGTCCAGGCACCTGCTGCACCTGCTGCG
 CGCCAGCCACCAGTCCACCTCCGCGTGCGGCCCACTCTGCAACAGCTGCGGCAGCGGGAGGAGGAGAGAA
 GAGAAGCAGCACTACCGGGAGTCTATATCAGCGATGAGCTGGAGCTGGACCTGGCCAGCAGGAGCTTCC
 CGGGCAGTGGGGTCAGCAGCCAGCACTGCCCCCACTGCCTCTCACGCCACTCCGCCGACAGCCACGGCAG
 TTCTACACGTGAGGCATCAAGGCCAACTCCTGGCTCAGGGAATCCAGAGAGATGTCTGTGGACGTGCC
 TTGGAGGTCCACGGGCTCCATGAGAAGGAGCCGTCTCCAGCCCCAGGACCAGCCGAGCCACCCAGCA
 CACGTGGTGACAGCCAAGCCACTCGTCAGGAGCCCTGCACCCAGGTGAGGACCAGAGCCAGAGCGCCGA
 GGCCGTGCACAGATCCAGGAAATGACAGCCGGGGTCAGTGAGGAGCAGCACAGCCATGGCCTGGACGAC
 ATGCAGCTGCACAGCTGGCCCTGCACCCAGCGCCACCTCACTCAGCCATACCTTCCACCGCGCCCTGG
 ACTGCAGGCTGGCAGGCCCTGCGAGACCAGGGCCACTCTCCCCAGCAAGAGGTCCAGCAACTGTCTCGC
 CCTGGACCTGTTCCGAGAGGCTCCACCACAGGAGTTTGTGGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225817 representing NM_001122841
 Red=Cloning site Green=Tags(s)

MDDVKATGRELQQVCNVASIRDAQFFGLCVVRNNEYIFMDLEQKLSKYFSKDWKKERNEGNEKPAPFV
 AFLRVQHYVENGRVISDHRARHLYCHLKERVLSQCAHREEAYFLAALQADLGEHRESAHAGRYFE
 PHSYFPQWIIITKRIDYILRHMPHLHRERQGLSPKEAMLCFIQEACRLEDVPVHFRLHKDKKEGRPTVI
 LGLALRGVHIYQKKLEIQLDGLPAAQKLYYYTGCTWRSRHLHLRASHQLHLRVRPTLQQLRQREEAE
 EKQHYRESYISDELELDASRSPGSGVSSQHCPHCLSRHSADSHGSSYTSIKANSWLRESREMSVDVP
 LEVHGLHEKEPSSSPRTSRHPSTRGDSQATRQEPCTQVRTRGQSAEAVHQIQEMTAGVSEEQHSGLDD
 MQLHQLALHPAPTSLSHTFHRALDCRLAGPCETRATLPSKRSSNCLALDLFGEAPPQEFV

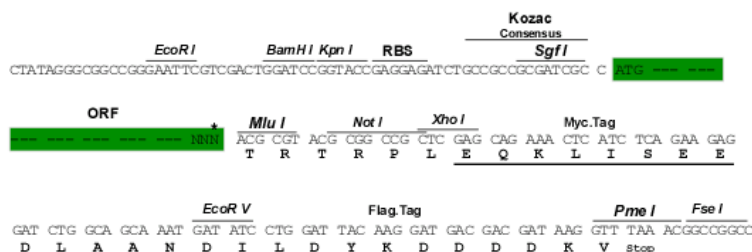
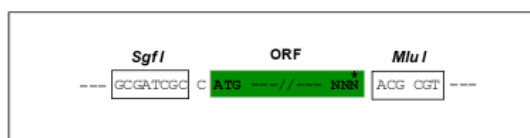
TRTRPLE**QKLI**SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8062_g08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001122841

ORF Size: 1443 bp

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.

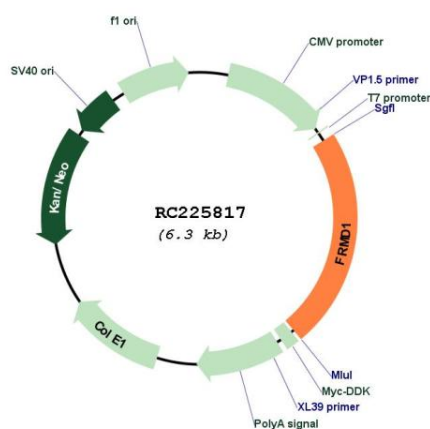
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22µm filter is required.

RefSeq: NM_001122841.3

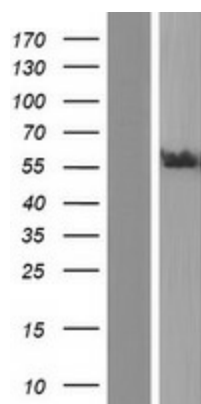
RefSeq ORF: 1446 bp

Locus ID: 79981
 UniProt ID: [Q8N878](#)
 Cytogenetics: 6q27
 MW: 55.1 kDa

Product images:



Circular map for RC225817



Western blot validation of overexpression lysate (Cat# [LY426576]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225817 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).