

Product datasheet for **RR205267**

Frmd3 (NM_001106662) Rat Tagged ORF Clone

Product data:

| | |
|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Frmd3 (NM_001106662) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Frmd3 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>RR205267 representing NM_001106662
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTCGCTTCTTGCTACTGTGCGCCGAGAGGCCAGAAAGGACTATGAAAATGATTCACCTTTTCGGAGCTCCA
 GTATCAAATCGCTCAACCAAGGAGATGAAATGCACCATTGACTGCTGGACGACTCGGAGGTCTCCTGCCG
 TATCCAGAGGGAAACCAAGGGCAGTTTCTCATTGAATACATCTGCAACTACTATAGTTTGTGGAGAAG
 GACTACTTTGGAATTCGCTATGTGGACCCAGAGAAGCAAAGGCACTGGCTTGAGCCTAACAGTCCATCT
 TCAAGCAAATGAAATCTCATCCACCATACACCATGTGCTTTAGAGTGAAATCTACCCACATGAACCCTT
 GAAGATTAAGAAGAGCTCACAAGGTACCTTTATATTTGCAAATTAAGAAGATATTTTTCATGGTCGA
 CTGCTCTGTTCTTTACTGATGCTGCCTATCTGGGTGCTGTATCGTTCAAGCTGAGTTTGGTGATTACT
 ATCCTGATGAGCATCCTGAGAATTATATCAGTGAATTTGAGATTTTCCCAAGCAGTCACAGAAGTTAGA
 GAGAAAAATCATGAAATTCATAACAATGAACTCAGAGGTCAAAGCCAGCAATGGCTGAATCAACTTA
 CTCTTGAAAGCTCATACATTGAAAACCTATGGTGTGGATCCTCACCCATGCAAGGATTCAAGAGGTGCTA
 CAGCATTTTTAGGATTCCTGCTGCGGGTTTTGTGTATTCCAGGGAAATAAAAGAATTCATTTGAGAAA
 ATGGTATGCAAAGTCCAGTCAAATCAAGACTGTGTCAAGCAGCAAGATATTTTTAAAGGAAGTAGATTT
 CGATACAGTGGTAAAGTTGCTAAAGAGGTGGTAGAGGCAAGCTCCAAAATCCAGAGGGATCCTCCTGAGG
 TGCACAGAGTCAACATTACTCAGAGTCGCAGCTTTCACTCCCTGAACAAACAGCTCATCATCAACATGGA
 ACCTTTGCAACCCTGCTTCTTCCCCACTGAACAGGAAGAAGAAGTTCCATGGGTGAAGGTACCCCC
 TTGCCTAAAATGGATGTGTCTGAGTCCCTAATTTCCAGTTCACCAGTAAAGGGAGCTCAGTGTGCAGATC
 TCCAGATGAAGAGGAAGATAGACTGAAAGAAGACCCCTTGACCATCTCTGAACTAGCATACAATCCCAG
 CGCCAGCCTGCTCCCTACCCAGTGGATGATGAAATCAACATGCTCTTTGACTGTCCATCCAGGCTC
 GAGTTAGAAAGAGAAGACACGGATTCATTTGAGGAACTCGAAGCAGATGAAAATGCTTTTCTGATTGCTG
 AAGAGGAGGAGCTGAAGGAAGCTCGCCAAGCTTTGTCTGGAGCTATTCCATCCTGACCGCCGATCTG
 GGTCAATCCCCTGGTCAAGAGTTTTTCCAGGCTCCTTGTGGTGGGCTGGGACTGCTGCTGTTTGTATT
 CCCCTGCTCCTCCTTTTGGAGTCAGTCTCTATGCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205267 representing NM_001106662
 Red=Cloning site Green=Tags(s)

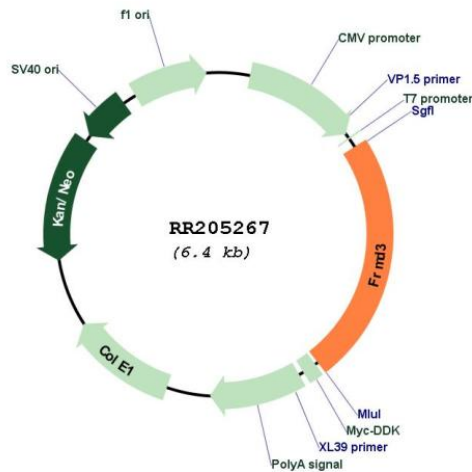
MFASCHCAPRGRRTMKMIHFRSSSIKSLNQEMKCTIRLLDDSEVSCRIQRETKGQFLIEYICNYSSLLEK
 DYFGIRYVDPEKQRHWLEPNKSIKQMKSHPPYTMCFRVKFPHEPLKIKEELTRYLLYLQIKRDIHFHGR
 LLCSFTDAAYLGACIVQAEFGDYYPDEHPENYISEFEIFPKQSQKLERKIMEIHNNELRGQSPAMAEFNL
 LLKAHTLETYGVDPHPCKDSRGATAFLGFTAAGFVVFQGNKRIHLRWYAKSSQIKTVSSSKIFFKGSRF
 RYSGKVAKEVVEASSKIQRDPPEVHRVNIQSRFHSLNKQLIINMEPLQPLLPSPTEQEEVPMGEGTP
 LPKMDVSESLISSPVKGAQCADPPDEEDRLKEDPLTISELAYNPSASLLPTPVDDEINMLFDCPSRL
 ELEREDTDSFEELADENAFLIAEEEEELKEARQALSWSYSILTGRIVWNPLVKFSRLLVVGLGLLLFVF
 PLLLLLLESVSMP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Plasmid Map:


ACCN: NM_001106662

ORF Size: 1509 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.

RefSeq: [NM_001106662.1](#), [NP_001100132.1](#)

RefSeq Size: 2034 bp

RefSeq ORF: 1512 bp

Locus ID: 298141

Cytogenetics: 5q31

MW: 57.9 kDa