

Product datasheet for **RN209079**

Frmd8 (NM_001008348) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Frmd8 (NM_001008348) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Frmd8
Synonyms:	RGD1310323
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN209079 representing NM_001008348
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGGGCAGAAGGCAACGCGGGGAGCCTGGCCCTGCGGAGCGGTCCCACCGAAGTAGCGTCTCCT
 CGGTGGGTGCCCCAGCAGCTGATGTAAGTGTACCTGGCTGATGACACAGTAGTGCCCTGGCTGTGGA
 GAACCTGTCTCGATCAGTGCCCATGAGCTGCACCGTGCAGTCCGTGAAGTCTGCACTCCAGACATG
 GCCCTGGAGGCCCTTGCCTCTGGCTTGTCTCTCTCTGCTGGAGGTACAGTTGAAACCAAGCACCAGC
 CCTACAACTGGGCGCCAGTGGCCAGAGCTGCTGCTGCGGTTACCGATGCCTCGGACGATGACATAGC
 CATGGATGAGCCTTCCCTTCAGTCCGAAGGAATGTGTTTTCCCAAAGCGCCGAGAGCTCCAGGTCCAT
 GATGAGGAGGTCTTGGGCTGCTCTATGAGGAAGCAAGGGCAATGTGCTGACCGCTCGGTACCTTGTG
 ACTTGGAGGACTGTGAGGTGCTGGGTGGCTCGTGTGCCGGTGCAGCTTGGGCCCTACCAGCCTGGCCA
 GCCTGCTGCCTGTACGGTGAGAGAGAAGTTGACTCCTTCTCCTGCCACCTCTGCAAGCGAGGCCAT
 GGCTCTTTGCTGCCTTCCGGGGCGTGGAGCCAAGACTGGGCCATGTGAGCAAGGCCTGCTGAATGCCT
 ACCGCCAGGTAAGGAAATGGCAGGCGGTGACAGTGAGCGTGAGACCACCTTGGGCTCCCACTATCGCGC
 ATATCTCTCAAGTGCCATGAGCTGCCCTTCTACGGGTGTGCCTTCTTCCATGGCGAGGTTGACAAGCCA
 ACCCAGGGCTTCTTGCATCGGGTGGGCGCAAACAGTGACCGTGGCCATCAGTCTGGAGGGTGTGCATG
 TCATCGACAACAGGGAGAAGCATGTGCTGCTGGGTCTACGCTTTCAGGAGCTGTGATGGGATCACACTTC
 CCCTGAGGAGGAGGAGCCTGTCTGTGGCTGGAGTTTGTGGTGACAGTGAGGGCACACCTGTCAACAAG
 CTACTGAGGATCTACTCCAAGCAGGCTGAGCTGATGAGTGTCTCATTGAGTATTGATTGAGCTGAGCC
 AGGCCGCTGAGCCTGCTCTCCCCAGGAGAGTGATCCGGCCCTCAGGAAGCTCCAGCCCTCTTCAGC
 TCCCACTCAGCGCCCCAAGCTGCGAAGGCAGGGTAGCGTGGTGTGTAGCCGGATTACGATCTCTCCACC
 ATCGACTACGTGAAGACGGCAGCGGGATCAAGCGGGTGAAGCCGAAGCAACCACTCCTTCTTCAGCC
 GACAGCTCTCTCCAGCCACGGAAGCTACACCGTGGTACAGCCCAACGACAACAGCCCGAGCAGGGCTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001008348
- Insert Size:** 1401 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).
- 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_001008348.1, NP_001008349.1

RefSeq Size: 2903 bp

RefSeq ORF: 1401 bp

Locus ID: 309172

UniProt ID: Q5U2R3

Cytogenetics: 1q43

Gene Summary: Promotes the cell surface stability of iRhom1/RHBDF1 and iRhom2/RHBDF2 and prevents their degradation via the endolysosomal pathway. By acting on iRhoms, involved in ADAM17-mediated shedding of TNF, amphiregulin/AREG, HBEGF and TGFA from the cell surface (By similarity). Negatively regulates Wnt signaling, possibly by antagonizing the recruitment of AXIN1 to LRP6 (By similarity).[UniProtKB/Swiss-Prot Function]