

Product datasheet for **MC200042**

Frmd8 (NM_026169) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Frmd8
Synonyms:	1200004M23Rik; 2310035N23Rik; 4931429L16Rik; AU018809
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>BC004765 sequence for NM_026169
 CCCACGCGTCCGGCGGGGCTCGGGTTTGTGCTTCTCCCGCGGACGCTTCTGCGGCGTAACGCCTGCGA
 ATCGACCTGGGACGAGACCGGAGACCCCGCGCGGTGTGGTGGTGGGTCCAGAACTGGAGGCTGAGT
 CGGGTGGCATTCTGGAGTGAGGCAGTGGGCTCTGCGACCCTGCAAGATGGAGGGGAGAGAGGCAACGCG
 GGGCAGCCCGGCTGCGGAGCGGTCCACCGAAGTAGCGTCTTTCAGTGGGTGCCGAGCAGCCGATG
 TCCTGGTGTACCTGGCGGATGATACAGTAGTGCCCTGGCGTGGAGAATTTGTCTCAATCAGTGCCCA
 TGAGCTGCACCGCGCAGTCCGTGAAGTCTGCAGCTCCAGACGTGGCTTTGGAGGCTTTGCACCTG
 CTCGTCTCCCTCTCTTGGAGGTGCAATTGAAACCCAAAGCAGCCAGCCATAAACTGGGCCGCCAGTGGC
 CGGAGCTGCTGCTGCGCTTACCGACGCCTCCGATGATGATGTCGCCATGGATGAGCCTTCCCTTCAGTT
 CCGAAGGAATGTTTTTCCCAAGGCGCGGAGAGCTCCAGATCCATGATGAGGAGGCTTGGCGGTGCTC
 TATGAGGAAGCCAAGGCAATGTCTGACCGCTCGGTACCTTGTGACTTGGAGGACTGCGAGGTGCTGG
 GTGGCCTTGTGTGCGGTGTGCAGCTTGGGCGCTACGAGCCTGGCCAGCCTGCCGCTGCACCTCTGAGAGA
 GAAGCTGGACTCCTTCTCCCTGCCACCTCTGCAAGCGAGGGCATGGCCTCTTTGTGCTTCCGGGGC
 CGTGGGGCCAAGACTGGGCCAGGTGAGCAAGGCCTGCTGAATGCCTACCGCCAGGTAAGGAAGTGACAG
 GCAACAACAGTGAACGTGAGGCCACCTTGGGCTCCACTACCGCGCATACCTCTCAAGTGCCACGAGCT
 GCCCTTCTACGGGTGTGCTTCTTCCATGGCGAGGTTGACAAGCCAGCCAGGGCTTCTTGATCGAGGT
 GGGCGCAAACAGTGACTGTGGCCATCAGTCTGGAGGGTGTGCACGTATCGACAACAGGGAAGCATG
 TGCTGCTGGGCTGCGCTTTCAGGAGCTGTCTGGGATCACACTTCCCTGAGGAGGAAGAGCCTGCTCT
 GTGGCTGGAGTTCGATGGTGACAGTGAGGCGACGCTGTCAACAAGCTGCTAAGGATCTACTCAAGCAG
 GCTGAGCTGATGAGCGGCTCATTGAGTACTGCATTGAGCTGAGCCAGGCTGCCGAGCCTACTCTTTCCC
 AGGAGAGTGATCCGGCCTCACGAAGCTCCAGCCCTCTCCACCTCCACCCAGCGCCCCAAGCTGCG
 AAGGCAGGGTAGCGTGGTGTGTAGCCGATTGAGCATCTCTTACCATTGACTATGTGAAGACGGCAAG
 GGGATCAAGCGGGTGAACCAAGCGAACCACCTCTTCTTCCAGCCGACGCTCTCTCCAGCCAGGGAA
 GCTACACCGTGGTGACGCCACCGATGACAGCCTGGAGCAGAGCTGAGGGAAGCCACGGCCAGCAGCAGG
 AGGACATCTGGGTGCCCTAGACACAACAGGCACAGCCCTAGGCAGGGCCAGGCCACACTCGTCTCAGAT
 GCTGTGGGCTGGTGGGTGCTGTGCAGGCTGTGCTGGAGTTTACAGCATGGAAGAACTGACATCCAAG
 CCTTCCCTGAGCCTGGTGTGGGTAGAGCTGTGCTCCAGCCCTTTTACAGCCTGCCTCTTCTCTGCTCC
 AGGCTGGCAGCTGACAAACCTGCTGCCCTCCTGCTCTTCCCAAGTGCACTGGTCTTCCCTCTGGAGGG
 ACTGCTGGCGGTTCCGATGGCAGGTGACTGAAGGCAGAGCTTGGGACCTGCAAGTTGAGTGTTCCTTC
 GGTGATGGGCTTGGTACTTATCTTGCACTTCTTCTGCTGACATTCCACCATGCTGGCCGGCCAGGC
 TGCCACCTTTTCCCTAAGTTATGTTGAACTGGAGGGCACCTCTGCAGGCTAACCCCTTCTTGTGTGGC
 CTTTACTGATGTCTGTGCTGAATGGTGGCTCTCCTAGGAACCGGTTCCATGCTGCACATAGGAAAAGC
 CCTTACATGTCCCTGGGCTGGATTGGCTGTCCCATACCAACAGTTCCTTTGTTTCTGTGATCTGGGT
 TTAAGGGTTAGATTTTGCTTGTCTCTGTGCTCTGAGCTGATAAAGCCTGGGGCGTGGCAACTCCGAAT
 TGCAGTGCAGTGTGGGATTCCTGAGGCCAGCCACAGCGGCTCAAGCCACCTCTCTCCGAAGGACATCGC
 AAAGGCCTATCTGTCCCGAGCTCTGCACCCCTGGCAGCCTTGACTGCTCCTGGGAAGAGCTAGTTCTGGG
 AGTGGAGCTGTCTGGCCCTTAAGCCCTTGTACTCCCTGGGAATCCCACTGGATCCAGAGACATAGC
 TTAGCTTTGTCTTCTTGGTGGAAAGCCACAGAAATGGAACCATCATCTCTGAAAATGAAACCAAGTTTGC
 CTGCCAGTGAGCTCCAGAAGTTTGGCAGCAGAGAGAAAGAAAGGCTGACCTACTATAAGGCATTGTC
 TGTAAGATGATGTACCTGCCACTGTAGTTAACCTTTAGGAGCCTTGTGTGTTCCCTGAGCTACCAAGC
 CACTCTTGGCAACCTTTAGGTGATCTTGTGCTGTTGATGGCTTCAGATCATTATGTGAGGGGGCCAGA
 TGCGTGTGCACAGGTACACAACTCTACATTTCCATTTGAGCCTTTGAGTTTTTTAATTACCACATGTGC
 CTTAACCTCTAGGACAGAGCACTGTTTTACTAAATAAATGTCTTGAGTGTCCAGTCTTCTCATCAC
 TGGACTTAATAAAATCATCACCTAGCAAAAAAAAAAAAAAAAAA

Restriction Sites:

RsrII-NotI

ACCN:

NM_026169

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC004765 , AAH04765
RefSeq Size:	2982 bp
RefSeq ORF:	1401 bp
Locus ID:	67457
UniProt ID:	Q3UFK8
Cytogenetics:	19 A
Gene Summary:	Promotes the cell surface stability of iRhom1/RHBDF1 and iRhom2/RHBDF2 and prevents their degradation via the endolysosomal pathway (PubMed:29897333). 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]