

Product datasheet for **SC336079**

FRMD8 (NM_001300833) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FRMD8 (NM_001300833) Human Untagged Clone
Tag:	Tag Free
Symbol:	FRMD8
Synonyms:	FKSG44; iTAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336079 representing NM_001300833. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGGACGGGACAGAAGGCAGTGCCGGGACGCCGGCCCGCTGAGCGATCCCACCGAAGCAGCGTGTCC
TCCGTGGGAGCCCGAGCGGCTGACGTGCTGGTATACCTAGCGGATGACACGGTGGTGCCTTGCTGTG
GAGAACCTGCCCTCGCTCAGTGCCCATGAGCTGCACCGCGCTGTCCGCGAGGTCTGCAGTTCCAGAC
ATCGCCCTGGATGTCTTCGCGCTCTGGTGGTCTCCCTCTGCTGGATGAGCCTTCTGCAGTTCCGA
AGGAACGTGTTCTTCCAAAGCGCGGGAGCTCCAGATCCATGACGAGGAGGTCTGCGGCTGCTCTAT
GAGGAGGCCAAGGGCAACGTGCTGGCTGCACGGTACCCGTGCGACGTGGAGGACTGCGAGGCTCTGGGC
GCCCTGGTGTGCCGCTGACGCTTGGGCCCTACCAGCCCGCCGGCCGGCAGCCTGCGACCTGAGGGAG
AAGCTGGACTCCTTCTCCCTGCCACCTCTGTAAGCGGGGCCAGAGTCTCTTGTGCCCTCCGGGGC
CGTGGGGCCAGGGCCGGGCCGGGCGAGCAGGGCCTGCTGAACGCCTACCGCCAGGTGCAGGAGGTGAGC
AGCGACGGCGGGTGCAGGGCCGCCCTGGGCACCCACTACCGCGCCTATCTCCTCAAGTGCCACGAGCTG
CCGTTTATGGGTGTGCCTTCTTCCACGGTGAGGTTGACAAGCCGGCCCAAGGCTTTTGCACCGGGGT
GGGCGCAAGCCAGTTTCTGTGGCCATCAGTCTGGAAGGCGTGACGTGATCGATAGCAGAGAGAAGCAT
GTCCTGCTGGGCTGCGCTTCCAGGAGCTGTCGTGGGACCACACCTCCCCGAGGAGGAGGAGCCCATC
TTGTGGCTGGAGTTCGACGGGGACAGCGAGGGCACACCTGTCAACAAGCTCCTCAAGATCTACTCCAAG
CAGGCCGAAGTATGAGCAGTCTCATTGAGTACTGCATCGAACTGAGCCAGGCGGGAGCCCGCAGGC
CCCCAGGACAGTGCGACTGGCTCGCCCTCGGACCCAGCTCCTCACTGGCTCCTGTTGAGCGCCCAAG
CTGCGGAGGCAGGGCAGTGTGGTGTCCAGCCGGATCCAGCATCTCTCCACCATCGACTACGTGGAGGAC
GGCAAGGGGATCAGGCGAGTGAAGCCGAAGCGCACCATCTCTTCTCAGCCGGCAGCTGTCTTGGGC
CAGGGGAGCTACACCGTGGTGCAGCCCGGCGACAGCCTGGAGCAGGGC**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001300833
Insert Size:	1293 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:	<u>NM_001300833.1</u>
RefSeq Size:	3664 bp
RefSeq ORF:	1293 bp
Locus ID:	83786
UniProt ID:	<u>Q9BZ67</u>
Cytogenetics:	11q13.1
MW:	47.2 kDa
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 (PubMed:29897333, PubMed:29897336). Negatively regulates Wnt signaling, possibly by antagonizing the recruitment of AXIN1 to LRP6 (PubMed:19572019).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.