

Product datasheet for **MC219022**

Frmd3 (NM_001163732) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Frmd3 (NM_001163732) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Frmd3
Synonyms:	4.1O; 9430066I12Rik; EPB41L4O; P410
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219022 representing NM_001163732
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTTCGTTCTTGTCACTGTGCGCCGAGAGGCCAGAAAGGACTATGAAGATGATTCACCTTTTCGGAGCTCCA
 GTATCAAATCGCTCAACCAGGAGATGAAATGCACCATTGACTGCTGGACGACTCGGAGGTCTCCTGCCA
 TATCCAGAGGAAACGAAAGGGCAGTTTCTCATTGAATACATCTGCAACTACTATAGCCTGCTGGAAAAG
 GACTACTTTTGAATTCGCTATGTGGACCCAGAGAAGCAAAGGCACTGGCTTGAGCCTAACAAGTCCATCT
 TCAAGCAAATGAAATCTCATCCACCATACACCATGTGCTTTAGAGTGAAATTCACCCACATGAACCCTT
 GAAGATTAAGAAGAGCTCACAAGGTACCTATTATTTTGCAAATTAAGAAGACATTTTTCATGGTCGA
 CTGCTGTGTTCTTTTCTGATGTGCTATCTGGGTGCTGTATCGTTCAAGCTGAGTTTGGTGATTACT
 ATCCTGATGAGCATCCTGAGAATTATATCAGTGAGTTTGGAGTTTTCCCAAGCAGTCACAGAAATTGGA
 AAGAAAAATCATGAAATTCATAACAACGAACTAAGAGGTGAGAGCCAGCAATTGCTGAATCACTTA
 CTCTAAAAGCTCATACATTGAAAACCTTATGGAGTGGATCCTCACCCATGCAAGGATTCAAGAGGTGCTA
 CAGCATTTTTAGGATTCAGTCTGCAGGTTTCGTCGTATTCCAGGGAAATAAAAGAAATCCATTTGAGAAA
 ATGGTCAGATGCTGCAAATGAAGTTTGAAGGGAAGACATTTTACGTGATTGGTTCCCGAGAAAGAGAAA
 AATGCTGTTTTGGCATTCCATACATCAACACCAGCTGCCTGCAAACATTTATGAAATGTGGGTAGAAA
 ACCAAGCCTTTTATAAGTATGCAAAGTCCAGTCAGATCAAGACTGTGTCAAGCAGCAAGATTTTTTTAA
 AGGAAGTAGATTCGATACAGTGGTAAAGTTGCTAAAGAGGTGGTAGAGGCAAGCTCCAAAATCCAGAGG
 GATCCTCCTGAAGTGCATAGAGTCAACATTACTCAGAGTCGAGCTTTCCTCCTTGAACAAACAGCTCA
 TCATCAACATGGAACCTTTGCAGCCCTGCTTCTTCCCCACTGAACAGGAAGAAGAAGTTCTGTGGG
 TGAGGGTGTCCCCTGCCTAAAATGGATGTGCTGAGCCCTAATTGCCAGCTCACCAAGTGAAGGGAGCA
 CAGTGTGCAGATCCTCCAGATGAAGAGGAAGATAGAGTAAAAGAAGACCCCTTGACCATCTCTGAACTAG
 CGTACAATCCCAGCGCCAGCCTGCTTCTACCCAGTGGATGATGATGAAATCAACATGCTCTTTGACTG
 TCCATCCAGGCTTGAGTTAGAAAGAGAAGACACGGATTCAATTTGAGGAACTTGAAGCAGATGAAAATGCT
 TTTTTGATTGCTGAAGAGGAGGAGCTGAAGGAAGCTCGCCAAGCTTTGTCATGGAGCTATTCAATCCTGA
 CCGGCCATATCTGGGTCAACCCCTGGTCAAGAGTTTCTCCAGGCTCCTTGTGGTGGCCCTGGGACTGCT
 GCTGTTTGTATTTCCCTGCTCCTCCTCTTTTGGAGTCAGTCTCTATGCCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001163732

Insert Size: 1665 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_001163732.1](#), [NP_001157204.1](#)

RefSeq Size: 2044 bp

RefSeq ORF: 1665 bp

Locus ID: 242506

UniProt ID: [Q8BHD4](#)

Cytogenetics: 4 C3

Gene Summary: Putative tumor suppressor gene that may be implicated in the origin and progression of lung cancer.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses a different exon for its 3' terminus, compared to variant 1, which results in a protein (isoform 2) with a shorter and distinct C-terminus, compared to isoform 1.