

Product datasheet for **MC219580**

Frmd3 (NM_172869) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Frmd3 (NM_172869) 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: >MC219580 representing NM_172869
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTTCGTTCTTGTCACTGTGCGCCGAGAGGCCAGAAAGACTATGAAGATGATTCACCTTTTCGGAGCTCCA
 GTATCAAATCGCTCAACCAAGGAGATGAAATGCACCATTGACTGCTGGACGACTCGGAGGTCTCCTGCCA
 TATCCAGAGGGAAACGAAAGGGCAGTTTCTCATTGAATACATCTGCAACTACTATAGCCTGCTGGAAAAG
 GACTACTTTGGAATTCGCTATGTGGACCCAGAGAAGCAAAGGCACTGGCTTGAGCCTAACAGTCCATCT
 TCAAGCAAATGAAATCTCATCCACCATACACCATGTGCTTTAGAGTGAAATTTACCCACATGAACCCTT
 GAAGATTAAGAAGAGCTCACAAGGTACCTATTATATTTGCAAATTAAGAAGACATTTTTTCATGGTCGA
 CTGCTGTGTTCTTTTCTGATGTGCCTATCTGGGTGCTTGATCGTTCAAGCTGAGTTTGGTGATTACT
 ATCCTGATGAGCATCCTGAGAATTATATCAGTGAGTTTGAGATTTTCCCAAGCAGTCACAGAAATTGGA
 AAGAAAAATCATGAAATTCATAACAACGAACTAAGAGGTGAGAGCCAGCAATTGCTGAATCACTTA
 CTCTAAAAGCTCATACATTGAAAACCTTATGGAGTGGATCCTCACCCATGCAAGGATTCAAGAGGTGCTA
 CAGCATTTTTAGGATTCAGTCTGCAGGTTTCGTCGATTTCCAGGGAAATAAAAGATCCATTTGAGAAA
 ATGGTCAGATGCTGCAAATGAAGTTTGAAGGGAAGACATTTTACGTGATTGGTTCCAGAAAAGAGAAA
 AATGCTGTTTTGGCATTCCATACATCAACACCAGCTGCCTGCAAACATTTATGAAATGTGGGTAGAAA
 ACCAAGCCTTTTATAAGTATGCAAAGTCCAGTCAGATCAAGACTGTGTCAAGCAGCAAGATTTTTTTAA
 AGGAAGTAGATTTGATACAGTGGTAAAGTTGCTAAAGAGGTGGTAGAGGCAAGCTCCAAAATCCAGAGG
 GATCCTCCTGAAGTGCATAGAGTCAACATTACTCAGAGTCGACGCTTTCACTCCTGAACAAACAGCTCA
 TCATCAACATGGAACCTTTGCAGCCCCTGCTTCTTCCCCACTGAACAGGAAGAAGAAGTTCTGTGGG
 TGAGGGTGTCCCCTGCCTAAAATGGATGTGCTGAGCCCTAATTGCCAGCTCACCAGTGAAGGGAGCA
 CAGTGTGCAGATCCTCCAGATGAAGAGGAAGATAGAGTAAAAGAAGACCCCTTGACCATCTCTGAACTAG
 CGTACAATCCCAGCGCCAGCCTGCTTCTACCCAGTGGATGATGATGAAATCAACATGCTCTTTGACTG
 TCCATCCAGGCTTGAGTTAGAAAGAGAAGACACGGATTCAATTTGAGGAACTTGAAGCAGATGAAAATGCT
 TTTTTGATTGCTGAAGAGGAGGAGCTGAAGGAAGCTCGCCAAGCTTTGTCATGGAGCTATTCAATCCTGA
 CCGGCCATATCTGGGTCAACCCCTGGTCAAGAGTTTCTCCAGGCTCCTTGTGGTGGGCCTGGGACTGCT
 GCTGTTTGTATTTCCCTGCTCCTCCTCTTTGGAGTCAGGTATTGATCTCCTTCTTATGCGAAATC
 CGTCAGACACCAGAGTTTGAAGCAGTTTCACTATGAATACTATTGCCTCTGAAGGAGTGGGTGGCTGGGA
 AGGTCAACATCGTCTCTACATGCTGGGTGTTCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_172869
Insert Size: 1788 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_172869.4](#), [NP_766457.1](#)

RefSeq Size: 3977 bp

RefSeq ORF: 1788 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 (1) represents the longer transcript and encodes the longer isoform (1).