

Product datasheet for **MC225187**

Frem3 (NM_001167898) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Frem3 (NM_001167898) Mouse Untagged Clone
Tag: Tag Free
Symbol: Frem3
Synonyms: Gm795; NV2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225187 representing NM_001167898
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGGAGATTCTCTGAGCCTTCTGGGATGTCCCTGCAGCTGCTAGTGACTCTCACCTGCCTGCTTC
TGACTTGTGACTGAGGGAAAGGTACCCTTGAGTGAAAACGTGTCCACTGTGAGCTTTACCTGCCTCC
CTGGGGAGCGCTTAATGGTGGTAGTCACCAGAACCCTGGCATTCTGATCGCCAACCTCCGGTTCCAAGT
CCACAGGGCCGCTCGGTTTGGCTTAACCCACTGCGGGATCTAGTGATTGAGTGCAGCGCGGGGATCAGT
GCAAGGTGACAGTGTGGACTTCCCGCGCTCCAAGGCGCGCTCTCCCGCACCAATTTCCCTGTGATTT
CGGGGCCCAACAGGTTAAGTACACTCACTTCGGCTCGCCAGCTCCACAAGAACC GGATACAGCTGCAG
GTGCGCTATGACGCAGGGAATCCACGCTGGTGTGCCCTTCACTCTGCAAGTGAATGTAGTCTTCCCA
AGCTTCAGTTGGTGGCGCAACAGGCCACTGAAAGTGTTAAAGTGCTAGGCTGCAGCCATGCCATCGA
CAGGAGAGTGCTAAACTTTGCCCTCAGGAGCAGGTGCAGGCTCACCGTCTTCTCACCTGGCGGACCA
CTCCCAAGTATGGACTTTGGTGGACACCGCTGGGAACCCTCTCTCCAGGGCCATCTGGCCGACTGTG
AGGCTTTTATCCAGGCTGGCGTACGCTACCAGCATACCACCACCATCCTCACCCAGCAGGACTATGT
GCCCATGTAGTGGAGCTGCTTGGACCAGAGTCAAGGTAAGTACTAGGTGAGTGGAGGTGCTGGCCAGGAG
TACTTCCAAATCAAGTCAGAATCCAGAAGCGAGCCAGGAGCACAGCACCAATACCTAGTCTCGCGGCTC
TAATGATAGTGGAGTTGAACAGTCTTACTGACAGCCCTGACACCTGATGTGCTGGCTGCAGAAGACAG
CGAGTCAGACCCTGACGACCTAGTCTTCAACATTCTCAATGTACCCGAGGCCCCACTGGACACCATGGT
GGACAGGGTTATGTGGTGAACACAGATGACCCCTGGGCCTTCCAGTCTCTTTTACCAGAAAGAGC
TTCGAGAGCTGAAAATAGCCTATCGACCCCAACGGGGAGCTCAGAAGGGGACCAGTCTTTCAGCTCAA
ACTGCAGGTGGTGGATGAAGATGGTACACCTCTGAGCCTTTTGCTTTCATGGTGGTGGTAAAGTCTATG
AATGTGCTGGCTCCAATAGCTAGCTACAGAGGAGGACTTGTGGTGTGTTGAAGGCCAGGCAAGGCCCTTGT
CTGATGCCCTAAGCTTTCAGGTGAGTAAAGATAATTCAAAAGAAATAAAATTTGTTGCAGTCAGAGG
TTTGCAACACGGGCAGCTGGTAGTGCATGGGGACCTGCTGGGTGCAAGAATTTCACTGGCAGACCTA
AGTGCAGGGAGAGTGGTGTACCAGCATGATGGCAGTGACTTTACAGTGACAACATCATCTCAAGATGG



AGGGTGAGCACCACCGGGTGGACTTCCTCTTCCCCATCACTATCGTGCCCGTGGATGATGCGGCACCAGT
 GCTCACCGCCAACATGGGACTCTCCGTGACTGAAGGGCAAGTGGTCCAGATATCCCCCTTGTCTTATGT
 GCCACCGATATTGATTCTGAGGACTCAGCTATCCTCTTTGTGTTGGAAGACGAACACCTGGAAGGAAAAG
 AGGAAGAAACACATGAAGATCTGGCCCCGTTCCTACAGCTCAAGCCAGCACCCAGGCAACATGCTGCT
 GAGGCAGGCTGAGCCCCCTTCGTCCTTCTGTACAGTACTGGCACTATGTGAAAAGGAGGGCCTTTAT
 GAGACGGTAGTGACTGAGTGGCTGCAGAGAGACATAATGGAAGGGAGACTGTTCTTCCCCATCTGGAC
 CACATAGCCCCATCTCCAGTGGCTCATCTGGCCTCCATGTGCAGGATGACCAGGACCCACCAACCTCTC
 CAACCAGCACTTCTTACCATCAGCATCCAGCCTGCAGATACGTGCGAGCCTCAGCTATCTCCAGAAACG
 ACCCTAGAAATGACAGTGAAGGATACAGCTCACTCCCTTCCAGCAGAAGTACCTCCAGTACACTGACC
 AGAACTCAGATGAACAGAACCTGTGGTACACTCTACTGACGCGACCAACAGACGCTGACAGCAACCATCA
 AGTCCAGGCTGGAGAGATCGTGCTCACTGATTCACCAGGTAGACCCATCGTTCAATTTTACCCAAACCCAG
 GTCAATCATCAAAAAATTGCTTATCGACCCCCACAGAGGAATCTTGGCATTGTACCTCGAGTTGTACAAT
 TCACCTATAAGGTGGAAGACTGCAGGCAACAGTGTGCAGGTACATTCACAGTATTCTCGACGCTTT
 GAACAATCAGCCACCAAAAGTCATCAATAGAGGCTTCGCTGTCTTGGAGGGAGATAGCTTTATTCTTGGC
 AGAGGTGAACTTAAATGTTTCAGACCCTGACACCAATGATGATCAAATTTTCTTCATTTTAGTTTGGGGTC
 CCCAGCATGGACACTTGCAGTACTTTAAAAAATATATGGTTCAGGAGAATCATTATATGCTAGCTGATGT
 TATCAATGGGAGCATCTTATCAGAACAGCAGAGACCAGACTGACAGTACGTCATCTACCTAGAGGTA
 AGTGATGGAGTGCACCATATACCATCACTGTCCAGGTTTCTGTGCAGCCCACTGTGGCTGACAGAAGTC
 CTGGGATTTCTATCACAGGGACTCCAGTATTGGCTACTTCTAACTGTCTTAAAAATGACGCTTCTGA
 GATCACTATGGATGTTACTCATGGCAGAAAAGAACAACAATGATTTGATGCTATCTTTTATTGTGGAGGAC
 AAGCCTAACTGGGCATGATTCTAGTGAATGGTTGGCTGCAGAGCAAGTCAACCAAGAGGACCTCCTTG
 GTGGGGCAGTCAGCTATGTTCACTAGTGGTGAATTTGGCTTCCAAAGGGTGCATGACTTTTCACTT
 CATCTCTCCAAAGATGCTTATCACCGGCCATGAGAGACAACATACTGGAGAGGGTACTGGTGAAGTA
 ACAGTACTGCCCCGTGGATAACATGGCCCCCAAGGTCTTGGTAAGAAAGCCCTTCATCGTATATGAAGGTG
 GGAAGAACCTCTTGACCCCAACAATGTCAACATTGAAGATGTAGACACTTCCAAAGATGAAATCCTTTG
 CACTCTGACTGTACAGCCATCCTCTGGCTACCTGGAAAACCTTGGCACCAGCTCCTGGTTCAGAAGTGCA
 CGGGCTGGCAACCCCATCAGTGCCTTCTCGTCAAGGATGTTGAGTGGGGTGCATCAATATGTACAGA
 GTATCCACAAAGGAATAGAACCAGGAGCAGATCAATTCACCTTTTATTGCTCTGACGGCATCAACTTCTC
 CCCAAAGTCTCTCCTCCTAACCATCTTGCCCAACATGATGAGCAGCCTCAACTTTTACCCCGTGAG
 TTTGTGGTATTAGAGGGGATGAGCCGGTCAAGACACCTCACTGGTCAATGGAGTAGATGCTGACTTCC
 CATCAGATAAGCTTCACTCCGACTCACGGTCTTCCCCAGCATGGACAAATCACACAGCAGCTGGCCAC
 AGGCAGCAAGCCATCCACAGCTTACCTTGACAGGAGATCCAAGAGCCCTCCTCCATCGCCTATGAACAT
 GATGACTCAGAGAGCACGGAGGACAGCTTTGAGGTCTGGCTGAGTGTGGCAGGCACACCACTCACACAA
 CGGTGCCCATGTGTAATTTTGGTGGATGATGAGGTTCTCAGTTGACCATCAATGACGGACTGGAAT
 AGAAACTGGACACTCTGAGATCATCACAATCATATCCTCAAAGCCATAGATCTCGACTCTGATAACAAG
 AGTCTCAGTTTTGTTCTCCACTCTGAGCCTCAGCAGGGACTTCTGCAGCGGCTGAGAAAGCCAGGAGGAG
 ATGCAAAGCACAACTCACTGTGGGAATGAATTTACCCAGGATGAAATAGACAGAGGCCTTATCCATTA
 TATCCACACAGGCCAGGGAGAGGCTGTTGATCTCAAATTTGATGTGACTGATGGTGTAACTTTGAGA
 GATCGCTATTTCTATATCACCATTGACAACTCAAACAGTGCCTGCCCTGAGATAGTCAGCAAAAAGATCA
 CCTTGACAGAAGGTAACAGAATGACCCTACCACCGAAGTCTTAAACACAGTGACATCCACAGCCCTGG
 TGAACAACCTTCTACAGTATCACACGAGCTCCTAGCACAGGCCACTTGGAAAGCTTGACCAGCCTGGG
 GAGCCCATGGCTTCTTTTACTCAGCTTCAACTGGCCAGAAAACAAGATATCCTATGTTTCAATTTCAAATG
 ATAAAAATAAGTTGGACCACTTTGAGCTTAGAGTACTGGAGGACACCACTCTGAGTCCAGAATCTTTAG
 AATATTTGTACAGAGCAGGACAACAAGAAACCTACCTTGACTATCCAAGCACTAGCCCTGCAAAGAGGG
 GACAACATAGTGGTCACTCCTTCTCAGCTGACAGTGGAAAGATGAGGACACTCCAGCTGATTTTATTCTTT
 TTACCATCACACAGATCCCCATCCATGGCAGGATTCTATATAATGGTAGCCGCTCTGTGACCACTTTCAC
 CAAGAAGGACCTGACAAAGAGCCTGATTCTCTATTGTACAGTGGCAGTGGAGTACTAGCAAAGACAGTTTC
 TCCTTCACTGTGACTGATGGAATCCACACAGGCTTCTATGTCTTCCAGACACTTCCCTGGAGACACAG
 TGCCCTCAGACAGTGTGGATCCAGATAAGCCCTTTGACGACAGGCTCCCACAGATGGGCATCAACAGGGG
 TGCCACAGCCTTGAAGCTCCTTCACTGGACACTTGGGTTTCTCATTACCAACGAGTATTTACAAGCA
 ACACATCAGGGGCTTCCCACAGACTCCTGACATATAAAGTGACCAGAGGACCGGAGCATGGCTACATCG
 TCAATGCTGGCCTTGGAAATGAGAACCCACATGTTCACTCAAGCTGACATTGATGAGATGCGGGTCTA

CTACATCCTGAACAAGGGCAGAGGCCGCGCAACAAGAGATACCTTCTACTTCTCTGTTGAAACCCGTGGA
 GGAAAGCAGCTAAGAAACCAGCCTTTCCATCTAAACTGGGCTTGGATTTCTTTGGAAAAAGAATACTACA
 TTGTGGATGAAGACTCCCCATTCTCGAAGTGAAGTCTCACCCGCGAGGGGATACCTTGGAGGCACATCTGT
 CGTTAGCATTGGAACCAAGGAGACTGCAGAAGAAAATAAGGATTTTAAAGGAAAGGCTCCTATGCTG
 GTCCAGTTCAGTCCCGCCAGTCTACAGCCACATGGAGGGTAGGACTTATACCCGATACCAAGTACGAGA
 CCTCAGAACTTCCAGATCATTCTCTGAACCTGGCGGGCTGCACTGGAGTTCCAGAGATGGCAAC
 AGTTGAAATTGTAGATCCTGAAGATGAATCAACAGTTTACATCCAGAGGCAGAATACCAACTGGCAGAA
 GCTGTTGGGGAGTTTCTGGTTCCTGTGAGACGATCTGGAGACAGGCCAGGAGCTCACGGTCATCTGCT
 CTAAGTCCAGGTTCTGCCACTGGCACAAATCCTTCCGTGCAAGTTATCTTTGTGAGATTATGTCTCAAG
 ACCAGAAGATAATACCAGCATGCTCCACTTTGAAAAGGATGAGAGCGAGAAGACCTGCCAGGTCCTGATT
 ATCAATGACTCCCTTTATGAGGAGGAAGAGTCTTCAGCATTGCATTGAGCCTGCCAACGGGAGGGCAGC
 TGGGAGCCAAATCCCCACTGCCAGGTAACGATCCTGGCTGACAGAGAGGATGAGCCTGCCCTGCACTT
 CGAATGCTCTGAGTACCATGCTGAGGAAAGTGTGCTACGTGGAGGTGGCCGTCTGGAGAAGAGGCACT
 GGCCTTTCTCAAGCATCTTCTGTCATTGTGCGCTCTAGGGGACAGAGGAACAGGCAGCAGAAGCTGGAA
 CAGACTACATTGGTGTGTCAGGCAACATCTGCACTTACGCCAGGAGTGTGAGTGTGACAGACTCCGAGTGC
 AATCCTTGATGACTGCCACAGCCTGCCTTTGAGGGTCCAGAGATGTTTGAATTACTTCTCCAGATGCCT
 ACAGGTGCAAGTGGAGAACCAATAAGACCACTGTTACCATCAATGACAGTGTACCAACTGTGAAG
 AGGAGTGTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001167898
- Insert Size:** 6384 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_001167898.1](#), [NP_001161370.1](#)
- RefSeq Size:** 6626 bp
- RefSeq ORF:** 6384 bp
- Locus ID:** 333315
- Cytogenetics:** 8 C2