

## Product datasheet for RN217752

### Frem1 (NM\_001191757) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Frem1 (NM\_001191757) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Frem1  
**Synonyms:** RGD1306981  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN217752 representing NM\_001191757  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCACCTCCAGGCTGCACTGGGCCAAGGCTCTGTTGTTCTTGCTGCTCCAGCTGCTTATGCTACACC  
TGGACCCAGCCAATGCCACCTTCATCAGCATTAAACGGGGCTGAGGGTATGAAGGGTAGTTCTGCCTT  
CCTGTCTGGAGATCACCTGAGGTTTGCCATCCCTAAAGAGAAGGACGCTTGCAGAGTGGAGTGGTATG  
AATGAACCCATAACCCAGAGGGTTGGGAACTCATTCCACAGGCTTTGATTGCCATTTCTCCCAACG  
AAGTACAATATGTTACAAATGGATGCCAATTCTGGACGAAGACTCTGTGAAGCTTAGACTTTACAGTT  
TACTGAAACAGAGACTTTTCATGAAACCTTCTCTTGCGGGTCTCTCTTGGAACCCAGACTGTAACATC  
ATCCGCTGAGCAGCAACGTGTTGGAAGTACTGAATTCTATGGCTTATCCCAAGCCATTGATAAGAACC  
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GCTGCCAGCCATGGCAAGCTGGTTGTGGTGAATCGGAAGTCAGAGGGACCGCTGGAGACCAGCCACAC  
AGCTTTTTCTCTGAGTCACAGCTAGGGGCAGAACGGAAGTCCGGATGGAAGCTGACTCTGGAACCGA  
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GCCCCCTCACCAACATTGACTACATCCCATTCAGTTGGATCTCACAGACAGAAGGAGTAAAACCAT  
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CTGTGAGGAGGATGAGACTCCGAAACCTTGTGGTGTAAACATCACTGAAGCCCACTCCAGGGCTAT  
GTGACCCACCTGCTGGATCATACCAGACCCATCTTTCATTTACCTGGAAGGATCTCAGTGACATGCAAG  
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CCTCTTCTTTGAGAGGAGCGCCCCATCACAGTTCACATCTCCATCAGAACAGCAGACACGAATGCACCT  
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CATGATGACAGTGATACCACAAAGACTTTGTGGCTTTCAGGATATTCGATGGCCAAACACAGCAGCCATC



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ACAAGTTTCCTATCAACATCTTGCCATAAAGATGACAGTCCCCATTCTCATAACCAATGTCGTGATTGA  
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 CACCCAGGAGGATGTGGACTTGAAGTGAAGTACAGATACGCGCATGCTGGTAAAATGCATTCAGGATGGA  
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 TCCCCACACAGTATGGCCAAGTGGAGTATGTCTACTCTCCTGGAGTCCCCATTACCAGCTTTAGCCAAA  
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 GCTGGATAAGAAGGCGCCTCGGATCACACGCTTGCACCTCCCTTCTCAAGTGGGGCTCTTAAAAATGGC  
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 TCTTTAAGATTTACGAGGCCGTTGCATGGACGCTGGAGAACACGACAACAGGTGAATTCATCCACGA

GCAATTTAGCCAGAAGGACTTGAGCCGCAAGACCATCCTTTATATCATAAACCCCTCTTTGCAAGTGAAT  
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 AATGGTCATATATTGAATGGTCCAGACTGAATATGAGGTCTGTGAGAATGTGGGCTTACTGACCTTGA  
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 GTTGGAAAAGATTTTACTGTCACTCCATCCAACTGCTCAATTTGACCCAGGAATGTCAACTAAGATGT  
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 AGGAGATGCTCTTCGGGTTTTGATCTCACAGACCTCTCTCAAAGGAAGATGACGACACAGGGGAATGGC  
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 CTCAGTCAGGGTCTACGGCCCTGTTTCCAAAGAAGTCTGTGGAATTAAGGGACTCTTTCATTTGG  
 AAGAACACACCCACAGATTGTATCAATGTGATGGGATCGCTGGAACGTCTGGAGCTCCCAAACCAAGGG  
 GCTGGAGGACAGATCCTGCCAGTTGGATGGCTTCTTATTCCGACTACTGTACGTCTTGGTACAAGG  
 CAGAAAAGGCACCTGGGCCACAGCTACCCGAGCTTGACAGAGAACAGCACACAGGGCACCCCTGTGACCGTAT  
 TCTCCAGGAGGCACATGCAGTGGCTGTGGGCTATCAGCGGAAGAAAGCCCTTCTGGATAGGCTTGAAGAA  
 CCAAGTGCGAAGTGGCCACTGGGAGTGGATTGGAGGTGAACCTGTTGCTTCCACCACTGGAGGAGAGGG  
 CCCCTCTGCACCCGAAGCCTGGAAAGAAGTGTGTTTGGTTCAAAGAAGAGGACAATGGCAAACAAGA  
 ACTGTAGCAAAGGCAAGGCTCACAATTTGTGTGCTCAAGGAAACTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001191757
- Insert Size:** 6630 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001191757.1](#), [NP\\_001178686.1](#)
- RefSeq Size:** 6630 bp

RefSeq ORF: 6630 bp  
Locus ID: 298185  
Cytogenetics: 5q31