

Product datasheet for **MC229714**

Frem1 (NM_001198811) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Frem1 (NM_001198811) Mouse Untagged Clone
Tag: Tag Free
Symbol: Frem1
Synonyms: BC037594; crf11; D430009N09; D630008K06; eye; eyes2; heb; qbrick
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229714 representing NM_001198811
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCACCTCCAGGCTGCACTGGGCCAAGGCTCAGTGGTTCCTGCTGCTCCAGCTGCTTCTGCTGCACC
TGGACCGGTTCAGTGCCACCTTCATCAGCATCAACCGGGCTGAGGGTATGAAGGGTAGTTCTGCCTT
CCTGTCTGGAGATCACCTGAGGGTTCAGTCCCTAAAGAAAAGGACGCCTGCAGACTGGAGTGGTATG
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AAGTGAAGTATGTTACAATGGATGCCAATTCTGGATGAAGACTCTGTGAAGCTTAGACTTTACAGTT
TACTGAAACAGACACCTTCATGGAACCTTTCTCTTGCAGGTTTATCTTGTGGAACCAGACTGTAACATC
ATCCGTATGAGCAGTAATGTGTTGGAAGTACTGAATTCATGGCTTATCGCAAGCCATTGATAAGAACC
TGCTCCAGTTGATTATGATAGGACTGCCAGCCTGGATTGCACCATCAGACTAGACCCACTGAGGACTCA
GCTGCCAGCTCACGGCAAGCTGGTCGTGGTGAATCGTAAGTCAGAGGGGCTCGTGGAGATCAGCCACAC
AGCTTCTTCTGAGACAGACTAGGGGCTGGACTGAAGTGTCCAGATGGAAGCTGTGCCCTGGAATTGA
AGCAAGTGGCAAGTCTGAAAGTACTGTGAGGAGTTTCTGCTGACGGGTTTCACTACCAACACATGCA
GCCCCCTCACCAACATTGATTACATCCCATTCAGTTGGATCTCACCGACAGAAGGAGCAAAAACCGTA
TACAAGTCAGAGAGTGCCTGGTTGCCTGTCTATATCAGAGTTGGCATTCTAACCAGTCCCAAGGGCTG
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CTGTGAGGAGGATGAGACTCCGAAACCTTGTGGTGTCAACATCACTAAAGCCCCACTCCAGGCTAT
GTGACCCACCTGCTGGATCATACCAGACCCATCTTTCATTACCTGGAAGGATCTCAGTGACATGCAAG
TTGCCTACCAGCCACAAACAGCAGCCACCCTGAGAGGAGACATTACACGATGGAGCTGGAGGTGTACGA
CTTCTTCTTTGAGAGGAGTGCCCCATCACTGTCCACATCTCCATCAGAACAGCAGACACGAATGCACCA
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CACGATGACAGTGATACCACAAAGACTTTGTGGCTTTCAGGATATTCGATGGCCACCACAGCAGCCACC



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ACAAGTTTCCTATCAACATCTTGCCATAAAGATGACAGCCCCCATTCTCATACCAATGTCGTGATTGA
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GAACACTGCCACTCCCCAGAGCTTGGACTTGAGATGGTCGTATATTGAATGGGCCAGACTGCATATGAG
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 AGAAAACCTTCTGGATAGGCTTGAAGAACCAACCGAGGACTGGCCACTGGGAGTGGATCGGAGGTGAAC
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 TCAGAAAAGAGGACAATGGCAGACAAAGAACTGTAGCAAAGGCAAGGCTCACAATTTTGTGTGCTCAAGG
 AAACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001198811
- Insert Size:** 6519 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_001198811.1](#), [NP_001185740.1](#)
- RefSeq Size:** 9524 bp
- RefSeq ORF:** 6519 bp

Locus ID: 329872
UniProt ID: [Q684R7](#)
Cytogenetics: 4 C3
Gene Summary: Extracellular matrix protein that plays a role in epidermal differentiation and is required for epidermal adhesion during embryonic development.[UniProtKB/Swiss-Prot Function]