

Product datasheet for **MC225220**

Frem1 (NM_177863) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Frem1 (NM_177863) 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: >MC225220 representing NM_177863
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCACCTCCAGGCTGCACTGGGCCAAGGCTCAGTGGTTCCTTGCTGCTCCAGCTGCTTCTGCTGCACC
 TGGACCGGTTCAGTGCCACCTTCATCAGCATCAACCGGGCTGAGGGTATGAAGGGTAGTTCTGCCTT
 CCTGTCTGGAGATCACCTGAGGGTTCAGTCCCTAAAGAAAAGGACGCCTGCAGACTGGAGTGGTATG
 AACGAGCCCGTAACCCAGAGGGTTGGGAACTCTCTCCACAGGTCTTTGATTGCCATTTCTCCCAACG
 AAGTGAAGTATGTTACAATGGATGCCAATTCTGGATGAAGACTCTGTGAAGCTTAGACTTTACAGTT
 TACTGAAACAGACACCTTCATGGAACCTTTCTCTTGCAGGTTTATCTTGTGGAACCAGACTGTAACATC
 ATCCGTATGAGCAGTAATGTGTTGGAAGTACTGAATTCATGGCTTATCGCAAGCCATTGATAAGAACC
 TGCTCCAGTTTATTATGATAGGACTGCCAGCCTGGATTGCACCATCAGACTAGACCCACTGAGGACTCA
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 AGCTTCTTCTGAGACAGACTAGGGGCTGGACTGAAGTGTCCAGATGGAAGCTGTGCCCTGGAATTGA
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 CACGATGACAGTGATACCACAAAGACTTTGTGGCTTTCAGGATATTCGATGGCCACCACAGCAGCCACC



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ACAAGTTTCCTATCAACATCTTGCCATAAAGATGACAGCCCCCATTCTCATCACCAATGTCGTGATTGA
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 ATTGCCAGCTTACGCCAAATGGACATAGCAGGACAGACAGTGTGTACATACACAAGAGCAGGACAGCTG
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CCCTTCTTTGCAAGTGACTTCCGATATCCTGGAATTTTCAGGCCATGGACCCACAGGGAACACTGCCACT
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 GGAATGTCAACTAAGATGTGGAATATAGCAATTACCTATGACGGATTAGAGGAAGATGATGAGGTCTTTG
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 CATCTTGGTACAAGACAGAAAGGCACCTGGACCACAGCTACCCGAGCTTGACAGAGAACAGCACAGGGC
 GACCTTGTGACCGTACTCTCCAGAAAGGCATATGCAGTGGCTATGGGCGATGAGTGGAAAGAAAACCTTCT
 GGATAGGCTTGAAGAACCAACCGAGGACTGGCCACTGGGAGTGGATCGGAGGTGAACCTGTTGCTTTTAC
 CAACTGGAGGAGAGGGGCCCTCTGCACCCAAAACCTGGAAGAAGTGTGCTTTGGTTTCAGAAAAGAGGA
 CAATGGCAGACAAAGAAGTGTAGCAAAGGCAAGGCTCACAAATTTGTGTGCTCAAGGAAACTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_177863
- Insert Size:** 6576 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_177863.4](#), [NP_808531.2](#)
- RefSeq Size:** 9307 bp
- RefSeq ORF:** 6576 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]
Transcript Variant: This variant (1) encodes the longer protein (isoform 1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.