

Product datasheet for **MC220378**

Fermt1 (NM_198029) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Fermt1 (NM_198029) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Fermt1 |
| Synonyms: | 5830467P10Rik; Kindlin-1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC220378 representing NM_198029
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGTCATCTGGTACTTGACATCTGCATCCTGGGAGCTTGTGGTCCGAGTTGACCATGCAAATGGAG
 AGCAGCAGACAGAGATCACGCTGAGGGTGTCTGGGGACCTACATATCGGGGAGTGATGCTCAAGCTCGT
 GGAACAGATGAACATAGCCCAAGACTGGTCAGACTATGCTCTGTGGTGGGAACAGAAAGCGTCTGGCTT
 CTGAAAACACACTGGACCCTGGACAAGTGTGGGTCCAGGCTGACGCCAACCTTCTCTTACCCCTCAGC
 ATAAGATGCTTCGCCTTCGCCTGCCAATGCCAAGACCGTGCCTGCGCGTCAGCTTTTCGGCTGTGGT
 GTTTAAGGCTGTCGCTGATATCTGCAAAGTGTGAATATCAGAAGACCAGAAGAACTTTCATTGTTAAAG
 CCTTCTAGTGACTACTGTAAAAAGAAAAAAGAAAGAAAAAATAGTAAAGAGCCAGTGATTGAAGACA
 TCCTGAACCTGGAAAGTCTTCAACAAGTTCAGGTTCCCGAGTAAAGCCCGGCTTGTACAGTAAGACCAT
 GACACCCACATACGACCCCATCAATGGGACACCAGCCTTATCCACTATGACCTGGTTTGGTGATAGCCCT
 TTGACAGAGCAAACTGCAGTGTCTGGCCTTCAGCCAACCTCCTCCATACCAGATGTCCTTGCCGACA
 TGTTCCAGCCTCGATCTTTGGTTGACAAAGCAAGATGAATGCAGGCTGGCTGGATTCTCACGATCCCT
 TATGGAGCAAAGCATTACAGGAGGATGAGCAGCTGCAGTTGAGATTTAAATACTACACCTTCTTTGACTTG
 AATCCTAAATATGACGCTGTCAGAATAAACCAACTCTACGAGCAAGCCAGGTGGGCGGTTCTCTTGAGG
 AAATCGACTGCACAGAAGAAGAAATGTTGATCTTTCAGCCCTGCAGTATCACATCAGCAAGCTGTCCCA
 GTGTGCTGAAATACAGGACTTTGCAACCAAGTCTGAGGTTGACGAGGTAGAAGCAGCATTGTCTAGTTTG
 GAAGTGACCCTGGAAGGCGGGAAGGCCGACAACACTTTGGAGGACATAACTGACATCCCTAAACTCGCAG
 ATTATCTCAAATTATTTAGGCCAAGAAGCTGATGTTAAAAGCTTGAAGCAACTACTGTTTGTCTTTAA
 AGACACATCTATAGCCTACTTTAAAAAATAAGGAGCTTGAACAAGGAGAGCCAATAGAGAAGCTAAACCTT
 AGAGGCTGCGAAATTGTGCCAGATGTGAATGTATCGGGGAGAAAAATTTGGAATCAAGTTACTAATCCCCG
 TTGCTGATGGTATGAATGAAGTGTACTTGAGATGTGACCATGAGGATCAATATGCCCGATGGATGGCTGC
 CTGCATCTTGGCATCGAAGGGTAAAACATATGGCAGACAGCTCCTATCAGCCAGAGGTCATCAGCATCCTT
 TCGTTTCTCAAGATGAAAAACCGGAACATCACCTCTGGTGGCTTCCAGTCTTAAAAACATGGATATGA
 ACCCGGAATGTTAGTATCGCCCTGCTGTGCAAAAAAGCACAAGTCTAACAGCTGGCGGCCCGGATCCT
 GGAAGCTCACATAACGTAGCCAGATGCCTCTGGTGAAGCCAACTGCAGTTCATCCAGGCTGGCAA
 TCCTTACCTGAGTTCGGCCTCACCTACTACCTTGTGAGATTTAAAGGAAGCAAAAAAGATGACATCTGG
 GAGTTGCATACAACAGGTTGATTAGAATCGATGCGGTCAGTGGGATACCAGTTACAACGTGGAGATTGCG
 CAATATGAAGCAGTGAATGTCAACTGGGAAATCCGGCAGGTGGCAATCGAGTTTGACAAAAACGTCTCC
 ATCGCATTACCTGCCTAAGTGCAGATTGCAAGATTGTCCATGAGTACATTGGTGGCTACATCTTCTTGT
 CCACCCGATCCAAGGACCAAAACGAAACGCTCGATGAGGACCTCTCCACAACTGACTGGCGGTCAGGA
 CTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_198029
- Insert Size:** 2034 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_198029.2](#), [NP_932146.2](#)

RefSeq Size: 5255 bp

RefSeq ORF: 2034 bp

Locus ID: 241639

UniProt ID: [P59113](#)

Cytogenetics: 2 F2

Gene Summary: Involved in cell adhesion. Contributes to integrin activation. When coexpressed with talin, potentiates activation of ITGA2B. Required for normal keratinocyte proliferation. Required for normal polarization of basal keratinocytes in skin, and for normal cell shape. Required for normal adhesion of keratinocytes to fibronectin and laminin, and for normal keratinocyte migration to wound sites (By similarity).[UniProtKB/Swiss-Prot Function]