

Product datasheet for **MC204146**

Fermt3 (NM_153795) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fermt3 (NM_153795) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fermt3
Synonyms:	C79673; Kindlin3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC032204
 CCACGCGTCCGCCAGCAACAGCCCGCCCTGGGGAGGGACTAGTACAACCTTTCATGATAAGGCCACTACAG
 GCTGACCTCTGAAGGAAGCAACTGAGCAGGACCAGGCCAGACCAGGGTAACAGGTGTCCCACTGCCACCT
 GCAGCTGCAGCCCGTTGCAGGCTAGCAGAAACAGCCGCAGCCATGGCGGGTATGAAGACAGCCTCCGGGG
 ACTATATCGACTTCTCTGGGAGCTGAGGGTGTGGTGGGCGAGGAGGACCCTGAGGCCAGTCTGTAC
 ACTCCGAGTCACGGGGGAGTCGCACATTTGGTGGGACTTCTGAAGATCGTGGAGGAAATCAATCGCAAG
 CAGGACTGGTCTGACCATGCCATTTGGTGGGAGCAGAAGAGACAGTGGCTGCTGCAGACACACTGGACGC
 TGGACAAGTACGGGATTCTGGCCGATGCCCGCTTCTTTGGGCCACAGCACCGACCTGTCATCCTGCG
 ACTGCCAACAGACGTGTGCTGCGGCTTCGGGCCAGTTTCTCAAAGCCCTCTTCCAGACGGTGGCTGCC
 ATCTGCCGCTCCTCAGTATCAGGCACCAGAGGAGCTGTCTGCTGCGTGTCCAGAGAAGAAGGAGA
 AGAAGAAGAAGGAGAAGGAGCCTGAAGAGGAGGTGCATGACCTGACAAAGTTGTCTTAGCTGGCGGTGT
 GGCACCCACTTTATTCAGAGGCATGCCAGCACACTTCTCGACAGCGCCAGACTGAGGCTTGTACCAC
 ATGCTGAGCCGGCCACAGCCGGCACCTGACCTCTCTGCTCCAGCGCTGCCAAGGCCAGCTCCCTGC
 CTGACAAGACCCAGCTCCACAGCAGGTGGCTGGATTATCTCGGTGCCTCATGCAGCAAGGTATCAAGGC
 CGGGGATGTGCTTTGGCTGCGATTTAAGTACTACAGCTTTTTTGACCTGGATCCCAAGACAGACCCTGTG
 CGGCTGACCCAGCTGTATGAGCAGGCCCTGGGACTTACTGACAGAGGAGATCGACTGCACTGAAGAAG
 AGATGATGGTGTGGTGCCTGCACTACCACATCAACAACTGACCCTGAGCGGGGATGTGGGTGAGCT
 GGCTCTGGGGACCTGGGACTGGATGACCTGGATGCAGCCCTGAACAACCTGGAGGTGAAGCTGAAGGGG
 TCAGCACCCCTCAGACATGCTGGATAGTCTCACTACCATCCAGAACTCAAGGACCATCTCCGGATCTTC
 GGCCCCGAAGCTGACCTGAAGGGTACCGCCAGTACTGGTGGTATTTAAGGACACCACACTGTCCTA
 CTATAAGAGCCAAGATGAAGCACCGGGGACCCTACCCAGCAGCTCAACCTCAAGGGCTGTGAGGTGGTC
 CCTGATGTCATGTCTCTGGCCAGAAGTCTGCATCAAACCTCTGGTACCCTCACCAGAGGGCATGAGTG
 AGATCTACCTGAGGTGCCAGGATGAACAGCAGTACGCACAGTGGATGGCTGCCTGCCGACTGCCCTCAA
 GGGCCGCACCATGGCGGACAGCAGCTATGCCAGCGAGGTGCAGGCCATTCTGGCCTTCTCAGCCTGCAG
 CGGGCAGGTGGTGAATGGAGGCTCAGGGAACAACTCAAGGTCTGAAGCCCTGCTGAGGGCCTTA
 ACCCTATGGCCTCGTGGCTCCTCGTTCCAGCGAAAAGTTCAAGGCCAAGCAGCTCACCCAAAGGATCCT
 GGAAGCTCACAAAACGTGGCCAACTCTCACTGACCGAGGCCAGCTGCGCTTTATCCAGGCTGGCAA
 TCCTTGCCCGACTTTGGCATCTCCTATGTGATGGTCAGGTTCAAGGGCAGCAGGAAAGATGAGATCCTAG
 GCATTGCCAACACCGACTCATCCGGATTGATCTGGCCGTGGGTGACGTGGTCAAGACCTGGCGCTTCAG
 CAACATGCGGCAATGGAACGTCAACTGGGACATACGGCAGGTGGCATTGAGTTCGATGAACACATCAAT
 GTGGCCTTCAGCTGTGTCTGTAGCTGCCGCATCGTGCACGAGTACATCGGGGTTACATCTTCCTGT
 CCACCCGAGAGCGGGCCCGAGGGGAAGACTGGATGAGGATCTGTTCTCAGACTTACAGGAGGCCATGA
 GGCTTCTGAGGGCAGCCCTGCTCCACTCACCACTCCAGGGACCCCCAAAGGCCACACCCACCTGAA
 CACTGCTCCATCACTCCCGGGATGTACTGCTGGGCAACTTCACTTGTGTGACCAGGCAGGCCAGG
 GCCCTCGTGGGTAGGTGCTACCACCAGCCAGCTAGGGATGATGGGCCCTGAGCCACACAGAGCCCT
 CCTCTACCTGTTGGCAGAAGCTCACACCCCGACCTTATGTAGTCCCTAAGCACACGACGAATGCCA
 GACGAAGCACACGACGAATGCCAGACACGGATGAGGAACCACAAATCCTGGTTTGAAGCTGGACTTCTT
 TCTGTGTCTGTTTCAGGTTTTTAAATAAATAAATATTTTATTGTTGAAAAAAAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: RsrII-NotI
ACCN: NM_153795
Insert Size: 1998 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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: [BC032204](#), [AAH32204](#)

RefSeq Size: 2635 bp

RefSeq ORF: 1998 bp

Locus ID: 108101

UniProt ID: [Q8K1B8](#)

Cytogenetics: 19 A

Gene Summary: Plays a central role in cell adhesion in hematopoietic cells (By similarity). Acts by activating the integrin beta-1-3 (ITGB1, ITGB2 and ITGB3) (PubMed:18278053). Required for integrin-mediated platelet adhesion and leukocyte adhesion to endothelial cells (PubMed:19234461). Required for activation of integrin beta-2 (ITGB2) in polymorphonuclear granulocytes (PMNs) (PubMed:18278053).[UniProtKB/Swiss-Prot Function]