

## Product datasheet for **MC200018**

### **Fblim1 (NM\_133754) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fblim1 (NM_133754) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fblim1
Synonyms:	2410043F08Rik; Cal; Fblp1; Gt10; migfilin; migfilin(s)
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC004777 sequence for NM\_133754  
 GCGGCAGTGGAGCTGGCCTGAACTTTGGACCTTGTCTTCCAGTAGGAAATCAGTCTCTCAGAAGGCGATC  
 ATGGCCTCCAAGCCTGAGAAAAGGGTGGCCTCCTCTGTCTTCATCACCTGGCACCGCCACGCCGAGATG  
 TAGCCGTGAGTGAGGAAGTGGGCCAGGCAGCTTGTGAAGCCAGACGCGCTCGGCCCTGGGAGATGCTTCC  
 CACAAAGACACCTGGGGCCGAGTGGGCAGGAGCCCAAGACCTGGACGCCCTCTGGCAAGACCAATGCC  
 TCACTCTCTGGAGTCACACCTCAGCTCTCCAATGGAGGATGCTCTCTCCACCTCCTTCCCTGAATGAGG  
 AGGACCTAGACCTCCCGCCTCCTCCACCGCCCTTCTGCCTACCTGCCTCTCCCAAGAGGAGCCTCC  
 TGTCTTACCAGGGAAGTCGCTCATTTCCGACTTGGAGCAACTGCACCTGCCCCACCCCGCTCCACCC  
 CCGCCACAGGCTCCATCAAAGGGATCGTCTGTCCACCCTCCGCCTGGTACGCCATACCCTCGGAAGAGG  
 AGCTTCTCCTCCTCCAGAAGAGCCTGTACACTTCCAGAGAGAGAAGTGTCCACGGATGTCTGTGGTTT  
 CTGTACAAAGCCTGTGTCTCCTCGAGAGCTGGCTGTTGAGGCCATGAAGAGGCAGTACCACGCCAGTGC  
 TTCACCTGTCGTACCTGCCGCCGCGAGTTGGCTGGACAGAGATTCTACCAGAAGGATGGGCGCCCTGT  
 GCGAACCTGCTACCAGGATACTCTGGAGAAGTGTGGCAAGTGGGAGAGGTGGTCCAAGAGCACGTGAT  
 CCGGGCCCTGGGCAAGGCCTTCCACCCACCTGCTTACCTGCGTGACCTGTGCCGCTGCATCAGCGAC  
 GAGAGCTTTGCGCTGGACAGCCAGAACCAGGTGTACTGTGTGGCTGATTTCTACAGAAAATTTGCCCCG  
 TGTGCAGCATCTGCGAGAATCCCATCATCCCCGAGACGGGAAGGACGCCTTCAAATCGAGTGCATGGG  
 AAGGAATTTCCACGAGAAGTGTACCGCTGTGAGGACTGCAGCGTGTCTCTGTGGAACCTACCGAC  
 CAAGGCTGCTACCCACTGAATGACCACCTTCTGCAAGCCCTGTACCTGAAGCGGAGTGTCTGTGGTT  
 GCTGCTGAAGAGTCCCGATAGCTGGCCCTTCCCTGACTTGGTTTTCCCTCCTGACTTTTTCTTGAGTACTT  
 TCTTTTTGAACCTCACTGGGCACCAGCACACTGCTCAGCCCATAGTGTCTAAATGCACAGACAGGCTTGA  
 GACTGGGCTTTGGCCTCCTAGTACACAGCACCCCCACCCAGACTTCTACTCCTCCTTCCCTTATT  
 GACCAGGAGCCCTCTACCACCAGACTGCAACCCTGGTCCATCTCTAGTGTGCCCTGACATGTTTATGG  
 GGACAGGTCTCAGGATGATACCTGTGTCTCTGACCATGATGCTTAGCTGCCTAGCAGAAGGCCGTGAGAC  
 CTAGCTTAGATTGATAGCTAAGTTGTTTGAAGTGGCCTTCTCAGCCACTCCAAAAAGTATTTTTTGA  
 GAATATAAGTGTGTAGTAGACATGATAGCACACCTTTAATCCAGCACTTGGGAGGCAGAGGCAGGTG  
 GATTTCTATGTTCAATCTAGTCTGATCTACTAAAAGATTCAAACAATATTCTTTGGATTTGGGGAGAG  
 AAATCTTTGAATTTTTCTTTTTCTTTTTTGGTGGGGTAAAATCAGTAAACATCTTCCCTTGGTTCAG  
 GGGCTGCGAAGATGGCTCGGTGATGAAGAGCGAGCTTTGCTCCTTTCGGGAGGACCAGAGTTCATTTCC  
 CAGCATCCCTCATGGAGGCTCATAACTACCTGTCTGCAACTCCAGTTTCCGGAGAGCTGGCGCCCTCT  
 GCTGGCCTCCTTGAACCTTAATGCATGTGGTGTACACGCTTACACTCAGGCACACACACATACATTA  
 AAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_133754

**Insert Size:** 1128 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:** [BC004777](#), [AAH04777](#)

**RefSeq Size:** 2049 bp

**RefSeq ORF:** 1128 bp

**Locus ID:** 74202

**UniProt ID:** [Q71FD7](#)

**Cytogenetics:** 4 D3

**Gene Summary:** Serves as an anchoring site for cell-ECM adhesion proteins and filamin-containing actin filaments. Is implicated in cell shape modulation (spreading) and motility. May participate in the regulation of filamin-mediated cross-linking and stabilization of actin filaments. May also regulate the assembly of filamin-containing signaling complexes that control actin assembly. Promotes dissociation of FLNA from ITGB3 and ITGB7. Promotes activation of integrins and regulates integrin-mediated cell-cell adhesion (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.