OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC202593

Fam168b (NM_174997) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam168b (NM_174997) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fam168b
Synonyms:	Mani; mKIAA4042
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC043098 sequence for NM_174997
GCCGCGGCGAGGCTGGCGGGCGGGCGGGAGGCAGCGCGGGCCTAGCGGTCGGCCGCAACCGAGCGTCGTC
TGGGCACTGCCCGTCGCCGAGCCCCACGCCGTGCCGGCTCGGGCCGGCGCGCGCCGGTCCCGGAGGCTCA
GGCCACCTTCTTGAAATCATGAATCCTGTTTATAGCCCTGGGTCTTCTGGCGTTCCCTATGCAAATGCCA
AAGGAATTGGATATCCAGCTGGTTTTCCTGTGGGCTATGCAGCAGCACCTGCCTATTCTCCTAACATGTA
CCCTGGAGCGAATCCTACCTTCCAAACAGGCTACACTCCTGGCACACCTTACAAAGTGTCCTGTTCCCCA
ACCAGCGGAGCTGTTCCACCATACTCCTCTTCCCCCAATCCTTACCAGACGGCTGTGTACCCAGTGAGAA
GTGCCTACCCCCAGCAGAGTCCATACGCCCAGCAAGGCACGTACTACACACAACCTCTGTATGCAGCACC
TCCTCACGTCATTCACCACACCACGGTGGTGCAGCCCAATGGCATGCCAGCAACAGTCTACCCTGCTCCC
ATCCCTCCTCCTAGAGGCAGCGGGGTCACCATGGGCATGGTTGCTGGGACCACGATGGCCATGTCAGCAG
GTACTCTGCTGACTGCTCATTCTCCAACTCCTGTAGCCCCTCACCCGGTCACTGTCCCCACATACCGAGC
CCCAGGAACACCCACCTACAGCTATGTGCCCCCACAGTGGTGATTGCCCTGCAAATTAATATTTGAGGAT
GGAGCTGTGCAGTCACTTCATTGAGTTCCACAGCTGGTGCTGCAGGCCTTGTGCCTCCAACCAGGACTTT
CTTCTTACTGCTCCGACACTTAGCTAAACATGACTGCGCCCCAGCCCAGCAGGTCCCAGCTCGCTAGTCT
CCAACTAACTCTGGGTTGGTTTTAAAGCAAATCCTGTTTTGTGGACTGCCTGGCAAATTTTTTAGCTAAC
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TGTACAAGGGATGTCCTCACTGAAGCGTGGGGAGGACTGCAGGGGACTCTTAGGGGCTGGGGTTGCCAGT
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AGGGACTGGGGGAGAGAGAGCACACCTGCAGCAGCTCCAGACAGCAGCAGCAGCAGCAGCAGGGATGACG
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TAGAAGTAAACTGTCTTCCTAGGAGGGAAGATGTCAAAGAGAAGCAGCCACACTGAGGCAGTGTTGTCTT
TTGCTTTATTTTGCTTAGGGAACCATTCCTTTTTTTCCCCCTGAGAATAACTGAGTCACCTAAAGACATG
GGCACTGCTGTATTCTCCCACAAAGACTTCAGCTGTGTGCTGTGAAGAGTGTTGTACATTTAAGACTGGT

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TACAAGGGAATAAGTGTATTTTTAAGTTAGTTCCTCATGTTTCTTGTAGAGAAGCAGGGCTGTGATGATG
TGTAAAAATGTAGAAATAATGTAGCTTGTCTTGGGGCCATTCACCTGAGGATGCTCTCTGTAACTAGCGG
GGTGAGGCCCGGGAAGCCTGCGGAAACCTGCGGAAGCCACTCTGCTGTCACTGAAGGCACTCAGTACCAA
GCAGATGTGGAAAGCAGAAAGGGCCAGGCAGTTCAGGAGTGCTCTTGCTTGGAAGGCTCTGTGGTGGGAA
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AGAGTGTTTCTGTTCAGTGTGGGTCAAAGGGCAGGGCACGAGGACCTCTCTGGGCTCTGTCAACTGGGGG
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CAGCTAAGTCAGGGCTTCCATGTTGGTGTAGAGGTTGCCTCAGTAGCAGTCAACTTGGCTAGAGGCTGGG
TCACCTGAATATGGAACCTTCGGTGACCTTATTTTTATAGTAATGCTCTCCATAGTTTTTTTTTAAGCAT
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AGCACCAGCAAGCACACCCTGCACAGAGATAGACACGCTTGCTGGAGCACACAGCCTGCACCCGTACTTC
CATGTTGGGATCCCGTCCCTGTGCTGAGTGACTTGCAGGGTTGGGATTTCCAAGTTTTCTCTGGACTCAT
CAGACAGAAGGGGATTTCTTTAGAACAAATGTACCTGTGATTTCACGTGTTTGAAAAAGTCCCCTTATCC
ATCCCCAACTAAACATGGCTATCTCCCTGCCTGGAAAGGGTAGAGTTGTTTGCCTACAGCAGGAAGTTAC
CAAGTCTTTGAGCCTACTTGCAGCAACACACAGTGTGTGTGTATGCACAGGCCCTGAGTTCTCAAGAGAG
AGGGAGGGGCTGCTGCCCTCCTGCTGATCACATCAGCCTCACACACTTGCCCTGGAACTGTTGAAATGGA
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CATCGTTGTTAAGGAGATATATAGATATATCTATATATATCAAGTTTATTTTCTGCTGCCGTCCCTGAGG
CTAGGGGCCTTCCTTCCTCGGCTGCTGCTGCTTGCAGTTTAGAGTTGTGGAGTATTGGAAACTGTAAGCT
CCTTGACTCTGGAGAAGCAAACCCACCACCATCAGGATTGGGTCAGTTAGGCTACAGGCATGGAAGCGGC
CTCTGCAACTGTTGTCTCTGTGTTGTGGTCTTCCTTGGAGGAACTGTTGAGTGGCTGTTGGCTACCAGTT
GCCATCCTGAGTAGCAGCTTGTGAGTGTTTTGCATTGGTTGTTGAGTGTCTACTGTTCCTCGGCCATGCA
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GAGGAAAGTCAGTCTCCGGGAGGGGGAGGCTTGAGCTCCCTGCCTTCTCATTGGCCCTCTGAGTGTGTCT
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CTGAATATTGGAGTTTAGTATTACTGTGGGGCCACCTTCTCTCAGCAGCTGGCATCTGTACTTGTGGTAT
ATCTGGCACTGCCAAGTGGTGCAGGACCTCCCAGGGTGCAGTGGCAAGTGTGGCAGCTACTGGTCCTTTC
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CCAGGGTTTTACATTTTCTGAGTTGCTTACTCCTGCCCTGTCTTCTGTGTTTGGTGGAGTGATGATGTGG
TCTCAGTAGGAACGGTAACATTGCTTCGCCGTGTCTTAAAGGAGTCTTCTCTTCCCTAGCCCTCCCTGTT
CATGTGAAGAACAGAAAGCCTGCAGAGTAAATCTGACTAGAATCATGGCATGGGAGGCAGCAGCTTTTCT
GTCCAAGGACTGCAGTAGCTGCTCATGAGCTGTGAGGACCTGGTGGGTATACAGGCAGTTCCCAGGGAGG
GCAGTGGGTACGTCTGGTGCAGACCGTGGGCAGTGTATAGAGCAGTTGGGACAGACTGGGGGCTGGCTCC
CAGCAGGGTTACTGTGGCAGCTGGAGGCCCCAAGGAGCCTGCTAGGCTGTGACGGAACAGAAAAGGTTCT
TCGTTTTTAAACTTTTGTTTTTAAATACTCTTTTTTACACTGTTGTTGGTACTTTTTTTATGCTTAAGTC
AGCATTGTCTTCCAGTGTTAAAGGCATCCCTTGCCTCTTCATGGAACTTATGTGTCAAAACAAAGGAACG
GGCAGACTGTCCATCCCAAGCCAGTTCAATTAGATGTAAATTCATACTGTTTTAATTTTTTATGCAATCT
GATGAGTAGATGGGCTCAGATTTAAAATCCTTAAAAGCACGTTTATTGTAACCAGAATTGTTATGTAATT
AATACTGCAGTTTTCAATAAAGATTGACTTGTGTTGCAAAAAAAAAAAAAAAAAA

Restriction Sites: AscI-NotI

ACCN: NM_174997

Insert Size: 585 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:	BC043098, AAH43098
RefSeq Size:	4955 bp
RefSeq ORF:	585 bp
Locus ID:	214469
UniProt ID:	Q80XQ8
Cytogenetics:	1 B
Gene Summary:	Inhibitor of neuronal axonal outgrowth. Acts as a negative regulator of CDC42 and STAT3 and a positive regulator of STMN2. Positive regulator of CDC27.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (3) has the same N- and C-termini but is shorter compared to isoform 1.