

Product datasheet for **MC202551**

Bin1 (NM_001083334) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bin1 (NM_001083334) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bin1
Synonyms:	ALP-1; Amphl; BRAMP-2; SH3P9
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC065160 sequence for NM_001083334
 CGCGCACGCTCCGTCCTCCGTGAGTCCCCTGAGCTGTTCTAGTGC GCGGCGTGGAGCCAGGGCTCAGGCTG
 GTGGAGCGGCCGGGGCTGGAGGCTGGGAGTGCGGCGCGCACGGCCTCCCCGCGCCATTATCCGCGCTCGC
 TTCGGGCGAGGCCGGCGCCAGGATGGCAGAGATGGGGAGCAAGGGGGTGACGGCGGGGAAGATCGCCAGC
 AACGTACAGAAGAAGCTGACCCGAGCGCAGGAGAAGGTCTGCAGAACTGGGGAAGGCGGACGAGACGA
 AGGACGAGCAGTTTGAGCAGTGTGTCCAGAATTCAATAAGCAGCTGACAGAGGGTACCCGGCTGCAGAA
 GGATCTTCGGACCTATCTGGCTTCTGTTAAAGCGATGCACGAAGCCTCCAAGAAGCTGAGTGAGTGTCTT
 CAGGAGGTGATGAGCCCGAGTGGCCTGGCAGGGATGAAGCAAACAAGATTGCAGAGAACAATGACCTAC
 TCTGGATGGACTACCACAGAAGCTGGTGGACCAGGCTCTGCTGACCATGGACACCTACCTAGGCCAGTT
 CCCTGATATCAAGTCGCGCATTGCCAAGCGGGGCGGAAGCTGGTGGACTATGACAGTGCCCGCACCCAC
 TATGAGTCTCTTCAAACCGCCAAAAAGAAGGATGAAGCCAAAATTGCCAAGGCAGAAAGAGGAGCTCATCA
 AAGCCAGAAAGGTGTTTCGAGGAGATGAACGTGGATCTGCAGGAGGAGCTGCCATCCCTGTGGAACAGCCG
 TGTAGGTTTCTATGTCAACACGTTCCAGAGCATCGCGGGTCTGGAGGAAAACCTCCATAAAGAGATGAGT
 AAGCTCAATCAGAACCTCAATGATGTCTGGTGCAGCTAGAGAAGCAGCAGGGAGCAACACCTTCACAG
 TCAAGGCCAACCCAGTGACAATGCCCCGAGAAAGGGAACAAGAGCCCGTCACCTCCTCCAGATGGCTC
 CCCTGCTGCTACCCCTGAGATCAGAGTGAACCATGAGCCAGAGCCGGCCAGTGGGGCCTCACCCGGGGCT
 ACCATCCCAAGTCCCCATCTCAGCTCCGAAAGGCCACCTGTCCCTCCGCCTCCCAAACACACCCCAT
 CCAAGGAGATGAAGCAGGAGCAGATTCTCAGCCTTTTGTGACGCATTTGTCCCTGAGATCAGCGTGAC
 CACCCCTCCCAGCCAGCAGAGGCTCCGAGGTGGTGGTGGAGCCAGGAGCCAGGGGAGACAGCAGCC
 AGTGAAGCAACCTCCAGCTCTCTCCGGCTGTGGTGGTGGAGACCTTCTCCGCAACTGTGAATGGGGCGG
 TGGAGGGCAGCGCTGGGACTGGACGCTTGGACCTGCCCCGGGATTATGTTCAAGGTTCAAGCCAGCA
 TGATTACACGGCCACTGACACTGATGAGTGAACCTCAAAGCTGGCGATGGTGTGGTGTGGTATTCTTTT
 CAGAACCCAGAGGAGCAGGATGAAGGCTGGCTCATGGGTGTGAAGGAGAGCGACTGGAATCAGCACAAAG
 AACTGGAGAAATGCCGCGCGTCTTCCCGGAGAATTTTACAGAGCGGGTGCAGTGACGGAGGAGCCTTCC
 CGAGTGTGAAGAACCTTCCCCAAAGATGTGTGCTTTTCTTTTCTTTGTTTTTCTCTCTTTTCTG
 TTTTTGTTTTGTTTTGAAATTCTTGAAAAGTGTGCGGAAACTGGGGGGCGGAAACCTAAGCCAAGAGGTA
 TACCCCAAGAGATGAGGTGGTTTTCAAAGAGCCGTCGACCCCGTTTCAGTGGACTTCTCCAGTGTCTCT
 GAAGCTGTGTGCCCCCTAGTTGAGTTCCCGATGCCCGCATGTTACGGGCGGGCCGGGGGTGCAGAG
 CCACCGCCACACTTGCTGACGCTTGGCTGCGCCACCGAGCAGGGCTTGGTCTCTTCTGGCAGCTGCC
 CTGGGCAGGGCTGCACACTGGCCAGCCTGGTCCGCTCTGCAGACCAACCGTGTGCTGTTTGAATA
 AGCCCTAGTGTTCAAAATGCAGCGAAACAACAAAAAGAAAAACCTGACAAAACCCCAAAAAAAAAA AAAAAAAAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM_001083334
- Insert Size:** 1434 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: [BC065160](#), [AAH65160](#)

RefSeq Size: 2111 bp

RefSeq ORF: 1434 bp

Locus ID: 30948

Cytogenetics: 18 18.01 cM

Gene Summary: Is a key player in the control of plasma membrane curvature, and membrane shaping and remodeling. Required in muscle cells for the formation of T-tubules, tubular invaginations of the plasma membrane that function in depolarization-contraction coupling. Required in muscle cells for the formation of T-tubules, tubular invaginations of the plasma membrane that function in depolarization-contraction coupling (PubMed:12183633). Is a negative regulator of endocytosis (By similarity). Is also involved in the regulation of intracellular vesicles sorting, modulation of BACE1 trafficking and the control of amyloid-beta production (PubMed:12668730, PubMed:27179792). In neuronal circuits, endocytosis regulation may influence the internalization of PHF-tau aggregates (By similarity). May be involved in the regulation of MYC activity and the control cell proliferation (By similarity).[UniProtKB/Swiss-Prot Function]