

Product datasheet for **RN211887**

Bin1 (NM_053959) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bin1 (NM_053959) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bin1
Synonyms:	MGC105358
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211887 representing NM_053959
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGAGATGGGGAGCAAGGGGTGACGGCGGGGAAGATCGCAAGCAATGTTCAAGAAGCTGACTC
 GAGCTCAGGAGAAGTCTCTGCAGAACTGGGGAAGGCGGATGAAACGAAGGATGAGCAGTTCGAACAGTG
 CGTCCAGAATTTCAATAAGCAGCTGACAGAGGGCACCCGGCTGCAGAAGGATCTTCGACCTACCTGGCT
 TCTGTAAAGCCATGCACGAAGCCTCCAAGAAGCTGAGTGAGTGTCTCCAGGAGGTGATGAGCCTGAGT
 GGCCTGGCAGGGATGAAGCGAACAGATAGCAGAGAACAATGACCTGCTATGGATGGACTATCACCAGAA
 GCTGGTGGACCAGGCTCTGCTGACCATGGATACCTACCTGGGCCAGTTCCTGATATCAAGTACGCATT
 GCCAAGCGGGGGCGGAAGCTGGTGGACTACGACAGCGCCCGCCACCCTATGAGTCTCTTCAAACCGCCA
 AAAAGAAGGATGAAGCCAAAATTGCCAAGCCTGTCTCGTGTGAGAAAGCCGCCCCCAGTGGTGCCA
 AGGCCAACTACAGGCTCATCTTGTAGTCAAACCTGCTCCGAAATCAGGCAGAAGAGGAGCTCATC
 AAAGCCCAGAAGGTGTTGAGGAGATGAATGTGGACCTGCAGGAGGAGCTGCCATCCCTGTGGAACAGCC
 GTGTGGGTTTCTATGTCAACACGTTCCAGAGCATCGCGGGTCTGGAGGAAAACCTCCATAAAGAGATGAG
 TAAGCTCAATCAGAACCTCAATGATGTCCTGGTCAAGCTAGAGAAGCAACACGGGAGCAACACCTTCA
 GTCAAGGCCAGCCAGTGCAGCGCCCTGAAAAAGGGAACAAGAGCCCTTACCTCCTCCAGATGGTT
 CCCCTGCTGTACCCCTGAGATCAGAGTGAACCATGAGCCAGAGCCGGCCAGTGGGGCATCGCTGGGGC
 TACCATCCCCAAGTCCCCATCTCAGTCCGAAAGGCCACCGGTCCCTCCGCTCCCAACACACCCCA
 TCCAAGGAGATGAAGCAGGAGCAGATTCTCAGCCTTTTGTGACGCATTTGTCCCTGAGATCAGCGTGA
 CCACCCCTCCAGTTTGGAGCCCTGGGCCCTTCTCAGAGCAGGCCAGTCTACTAGACTGGACTCGA
 GCCCTTCCACCAGTGGCAAGCCCTGTGAAGGCACCCACACCCTCTGGTCAAGTCAATCCCATGGGACCTC
 TGGGAGCCACAGAGAGTCAAGCTGGCGTCTGCTTCCGGGAGCCAGTCTGCTGAGGGCAGCTTTG
 CTGTGGCTGGCCAGCCAGACAGCCGAGCCAGGGCCTGCCAACAGCAGAGGCCCTCCGAGGTGGTGGG
 TGGAACCCAGGAGCCAGGGGAGACAGCAGCCAGTGAAGCGACCTCCAGCTCTCTCCCGGTGTGGTGGT
 GAGACCTTCTCAGCAACTGTGAATGGCGCCGTGGAGGGCAGCACTACGACTGGACGCTTGGATCTGCCCC
 CGGGATTCATGTTCAAGGTGCAAGCCAGCATGATTACACGGCCACTGACTGACGAGCTGCAACTCAA
 AGCTGGCGATGTGGTACTGGTATCCCCTTCCAGAAGCCAGAGGAGCAGGATGAAGGCTGGCTCATGGT
 GTGAAGGAGAGCGACTGGAATCAGCACAAGGAAGTGGAGAAATGCCGCGCGTCTTCCCGGAGAATTCA
 CAGAGCGGGTGCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_053959

Insert Size: 1767 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_053959.1](#), [NP_446411.1](#)

RefSeq Size: 2399 bp

RefSeq ORF: 1767 bp

Locus ID: 117028

UniProt ID: [O08839](#)

Cytogenetics: 18p12

Gene Summary: may play a role in synaptic vesicle endocytosis; may form a heterodimer with Amph1 to recruit dynamin to clathrin coated pits in nerve terminals [RGD, Feb 2006]