

Product datasheet for **RN214137**

Bin2 (NM_001012223) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bin2 (NM_001012223) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bin2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214137 representing NM_001012223
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCAGAGGGCAAGGCGGGCGGAGCAGCTGGCCTTTTCGCCAAGCAGATGCAGAAGAAGTTCAGCAGGG
 CCCAGGAGAAGGTTCTGCAGAAATTGGGGAAAACCGTAGAAACCAAGATGAGCGATTTGAACAAAGTGC
 CAGCAACTTCTACCAACAGCAGGCAGAGGGCCACAGGCTGTACAAAGATCTGAAGAACTTCCTTAGCGCA
 GTCAAAGTGATGCGTGAGAGCTCAAAGAGAGTATCAGAGACCCTGCAGGAGATCTACAACAGCGACTGGG
 ATGGGCATGAGGACCTGAAGGCCATCGTGGGAAACAACGATCTCCTCTGGGAAGACTATGAAGAGAACT
 GGCTGACCAGGCTTTGAGGACCATGGAGAACTATGTGTACAGTTCAGTGAGGTTAAGGAGAGAATTGCC
 AAGCGGGCGCGAACTGGTCGACTACGATAGTCCCGACACCCTGGAGGCTGTACAGAATGCTAAGA
 AGAAGGACGAGGCCAAGATGGCCAAGGCAGAAGAAGCTTCAGCAAGGCCAGGTTGTGTTGAAGACCT
 GAACCAGAACTCTGGAGGAGCTGCCTGTTCTTTATAACAGTCGTATTGGCTGCTACGTGACCGTCTTC
 CAAAACATTTCCAACCTGAGAGACGTCTTCTACAGGGAGATGAGCAAGCTGAACCACAGTCTCTATGAAG
 TGATGAGCAAACTGGAGAAGCAGCATTCCAACAAAGTCTTTGTGGTAAAGGGCCTATCAAGCAGCAGCAG
 GCGCTCCTTAGTCATCTCTCCCGGTGCAAACTGTACTGCCTTCAGCCCCGTACGCCCACTGACCTCA
 CCTACCAGCCCCAATGCTCTTTCTGTAACCAAGTGAGAGTGAGTCTGTGTACGCCACTGCAGAGGAGCTGA
 CCTCTGAGGCAGTGGGAGAGGATAGCTGTGAGAGCGAAGAGTCTTGAAGATGAGGAAGCGGACGAAGA
 CCAGTCTGAAACAAGCTCTTCAGAGGAGGAGGAAGATGAGGATGAAGATGAGGACGAAGAAGAGTCTCTA
 GCAGCCTGCAACGGCCCCACCCGACCCGCGCCCGACCCGCGCCCGGCTCCCTGCAGCTGAGGTGA
 AGTCCCAGGAGGAAGCTGCCCGTGCTCCCCAATTTCATCCCTGGGCAGGGGTGAGACCGGGAAGAGCA
 TTCTCCCCCGGGGAAGTGCTCCTCCGTGCCCGCGCCTCGAGCGAGGGGGCAGAACAGAGCAAAAGAACA
 GCGTCCGTCCAGCGACCTCTGTCCGCCAGCAGGCCTCCACCACCAAGGCCTCAGGCGGTGGCTCT
 CCAGCCCCCAGGATCGGCAGAGGCCTCCAAGGCATGCCACCCAGGCCTCTTCAGATGCCTCTTCGGA
 TCCAGAACCCCGAGACCGGAGAAAAGGAGGGCACTGGCAGCTCGGGCCCCAAAGAGCCACATGCCTCC
 TCCACCAAGAGCGCCACCCAGGTAGTTTCAAATGATGAAAACACAGA**ACTTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001012223

Insert Size: 1524 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_001012223.1](#), [NP_001012223.1](#)

RefSeq Size: 1951 bp

RefSeq ORF: 1524 bp

Locus ID: 366988

UniProt ID: [Q68FR2](#)

Cytogenetics: 7q36

Gene Summary: Promotes cell motility and migration, probably via its interaction with the cell membrane and with podosome proteins that mediate interaction with the cytoskeleton. Modulates membrane curvature and mediates membrane tubulation (By similarity). Plays a role in podosome formation. Inhibits phagocytosis.[UniProtKB/Swiss-Prot Function]