

Product datasheet for **RR214137**

Bin2 (NM_001012223) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR214137 representing NM_001012223
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGAGGGCAAGGCGGGCGGAGCAGCTGGCCTTTTCGCCAAGCAGATGCAGAAGAAGTTCAGCAGGG
 CCCAGGAGAAGGTTCTGCAGAAATTGGGAAAACCGTAGAAACAAAGATGAGCGATTTGAACAAAGTGC
 CAGCAACTTCTACCAACAGCAGGCGAGGGCCACAGGCTGTACAAAGATCTGAAGAACTCCTTAGCGCA
 GTCAAAGTGATGCGTGAGAGCTCAAAGAGAGTATCAGAGACCCTGCAGGAGATCTACAACAGCGACTGGG
 ATGGGCATGAGGACCTGAAGGCCATCGTGGGAAACAACGATCTCCTCTGGGAAGACTATGAAGAGAACT
 GGCTGACCAGGCTTTGAGGACCATGGAGAACTATGTGTCACAGTTCAGTGAGGTTAAGGAGAGAATTGCC
 AAGCGGGCCGGAACCTGGTCGACTACGATAGTCCCGACACCACCTGGAGGCTGTACAGAATGCTAAGA
 AGAAGGACGAGGCCAAGATGGCCAAGGCAGAAGAAGACTTCAGCAAGGCCAGGTTGTGTTTGAAGACCT
 GAACCAGGAACCTCTGGAGGAGCTGCCTGTTCTTTATAACAGTCGTATTGGCTGCTACGTGACCGTCTTC
 CAAAACATTTCCAACCTGAGAGACGTCTTCTACAGGGAGATGAGCAAGCTGAACACAGTCTCTATGAAG
 TGATGAGCAAACCTGGAGAAGCAGCATTCCAACAAAGTCTTTGTGGTAAAGGGCCTATCAAGCAGCAGCAG
 GCGCTCCTTAGTCATCTCTCCCCGGTGCAAACTGTACTGCCTTCAGCCCCGTGAGCCAGTGACCTCA
 CCTACCAGCCCCAATGCTCTTTCTGTAACCAGTGAGAGTGAGTCTGTGTGTCAGCCACTGCAGAGGAGCTGA
 CCTCTGAGGCAGTGGGAGAGGATAGCTGTGAGAGCGAAGAGTCTTGAAGATGAGGAAGCGGACGAAGA
 CCAGTCTGAAACAAGCTCTTCAGAGGAGGAGGAAGATGAGGATGAAGATGAGGACGAAGAAGAGTCTCTA
 GCAGCTGCAACGGCCCCACCCGACCCCGGCCCGCCCGCCCTCCCTGCAGCTGAGGTGA
 AGTCCCAGGAGGAAGCTGCCCGTGTCTCCCAACTTCATCCCTGGGCAGGGGTGAGACCGGAAAGAGCA
 TTCTCCCCCGGGGAAGTGGTCCCTCCGTGCCCGCCCTCGAGCGAGGGGGCAGAACAGAGCAAAAGAACA
 GCGTCCGTCCAGCGACCTCTGCTCCGCCAGCAGGCCTCCACCACCAAGGCCTCAGGCGGTGGCTCT
 CCAGCCCCCAGGATCGGCAGAGGCCTCCAAGGCATGCCACCCAGGCGCTCTTCAGATGCCTCTTCGGA
 TCCAGAACCCCCAGAGACCGGAGAAAAGGAGGGCACTGGCAGCTCGGGCCCCAAAGAGCCACATGCCTCC
 TCCACCAAGAGCGCCACCAGGTAGTTTCAAATGATGAAAACACAGAACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214137 representing NM_001012223
 Red=Cloning site Green=Tags(s)

MAEGKAGGAAGLFAKMQKKSRAQEKVLQKLGKTVETKDERFEQSASNFYQQQAEGHRLYKDLKNFLSA
 VKVMRESSKRVSETLQEIYNSDWDGHEDLKAIVGNNDLLWEDYEEKLADQALRTMENYVSQFSEVKERIA
 KRGRKLVYDYSARHLEAVQNAKKKDEAKMAKAEEDFSKAQVVFEDLNQELLEELPVL YNSRIGCYVTVF
 QNISNLRDVFYREMSKLNHSLYEVMKLEKQHSNKVVFVKGLSSSSRRSLVISPPVQTCTAFSPVSPVTS
 PTSPNALSVTSESESVSATAEELTSEAVGEDSCSEESLKDDEADEDQSETSSSEEEDEDEDEDEEESL
 AACNGPTPTPAPTAPASPAAEVKSQEEAAPCSPTSSLGRGQTGKEHSPPGEVVLRARASSEGAEQSKRT
 ASVQRTSAPPSRPPPKASGGGLSSPPGSAEASKACHPRASSDASSDPEPPETGEKEGTGSSGPKPEPHAS
 STKSATQVVSNDENTEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Reconstitution Method:	<ol style="list-style-type: none">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
MW:	55.1 kDa
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]