

Product datasheet for **MR230287**

Bin2 (NM_001270537) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bin2 (NM_001270537) Mouse 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:

>MR230287 representing NM_001270537
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGAGGGCAAGCGGGCGGAGCGGCTGGCCTCTTCGCCAAGCAGATGCAGAAGAAGTTCAGCAGGG
 CCCAGGAGAAGGTTCTGCAGAAATTGGGAAAACCGTAGAAACAAAGACGAGCGATTTGAACAAAGTGC
 CAGCAACTTCTACCAACAGCAGGCAGAAGGCCACAAGCTGTACAAGGACCTGAAGAACTTCTTAGTGCA
 GTCAAAGTGATGCATGAAAGCTCAAAGAGAGTATCAGAGACCCTGCAGGAGGTCTACAGCAGCGACTGGG
 ATGGGCATGAGGACCTGAAGGCCATTGTGGGAAACAATGACCTCCTTTGGGAAGACTATGAAGAGAACT
 GGCTGACCAGGCCTTGAGGACCATGGAGAATTATGTGTCGAGTTCAGCGAGATTAAGGAGAGGATTGCC
 AAGCGGGCCGGAACCTGGTAGACTACGATAGTCCCGCCATCACCTGGAGGCCGTGCAGAATGCTAAGA
 AGAAGGATGACGCCAAGATGGCTAAGGCAGAAGAAGACTTCAGCAAGGCCAGATTGATTTGAAGATCT
 GAACCAGGAACCTCTGGAGGAGTTGCCATTCTTTATAACAGTCGTATTGGCTGCTATGTGACTGTCTTC
 CAAAACATTTCCAACCTGAGAGACGTCTTCTACAGGGAGATGAGCAAGTTGAACCAACATCTCTACGAAG
 TGATGAGCAAACCTGGAGAAAACAATTCCAACAAAGTCTTTGTGGTGAAGGGCCTGTCAAGCAGCAGCCG
 GCGCTCCTTAGTCATCTCTCCCCAGTACAAGCTGTGCAGCCTCCAGCCCTGTCAGCCCTGTCAGCCCT
 GTCAGCCCCGTGACCTCACCCACTAGCCCTCTGCGACCAGTGAAGCTGAGTCTGTCTCAGCCACGGGAG
 AGGAGCTGACCTCTGAGGCAGGGGAGAGGACAGCTGTGAGAGTCAAGAGTCTTAAAGGATGAAGAAGC
 GGATGAAGCCCAGTCAGAAACAAGCTCGTCAGAGGAGGAGGACGAGGAGGACGAGGAGGATGAGGAGGAT
 GAGGAAGAGCCTCTACCAGCCTGCAACGGCCCCACCCCGGCCAGCCTCTCTGCAGCTGAGGTGGAT
 CCCGAGGAAGCTCTGAGCTCCTCAGCTCAGTCTCCGGGCGAGAGTTCAGACAGGGAAGGATACTCCTTC
 CCCGGGGGATGTGGTCTCCGTGCCGAGCCTCCAGCGAGGAGCAGAGCAGAGCAAAAGAGCAGCATCC
 ATCCAGAGGACGTGAGTCCGCCAGCAGGCTCCGCCACCCAGAGCCTCAGGCAGCGGGTCTGCAATG
 CCCCAGGCTCTCCAGAGGTTCTTACAGCTGTGCAGCCCCAGGGCTCCCCAGACGCTCTTCTAATCC
 AGAACCAGCAGAAACCAGAGAAAAGGAAGGCGTGGAAAGTTAGGCCAGAAAGAGCCCCGTGCCGTCTCT
 ACCAAGAGCGCCACCCAGGTATTTACCAGTGAAAAACGGAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230287 representing NM_001270537
 Red=Cloning site Green=Tags(s)

MAEGKAGGAAGLFAKMQKQKFSRAQEKVLQKLGKTVETKDERFEQSASNFYQQQAEGHKLKLDLKNFLSA
 VKVMHESKRVSSETLQEVYSSDWDGHEDLKAIVGNNDLLWEDYEEKLADQALRTMENYVSQFSEIKERIA
 KRGRKLVQYDSARHHLAVQNAKKKDDAKMAKAEEDFSKAQIVFEDLNQELLEELPILYNSRIGCYVTVF
 QNISNLRDVFYREMSKLNHNLVEVMSKLEKQHSNKVVFVKGLSSSSRRSLVISPPVQSCAASSPVPVSP
 VSPVTSPTSPSATSEPEVSATGEELTSEAGGEDSCESQESLKDEEADAQSETSSSEEEDEEDED
 EEEPLPACNGPTPAPASPAAEVGSQEEALSSSAQSPGRGQTKDTPSPGDVVLRARASSEGAEQSKRAAS
 IQRTSAPPSRPPPPRASGSGSCNAPGSPEGSSQLCSPRASPDASSNPEPAETREKEGAGSSGPEEPRAVS
 TKSATQVFTSENTEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

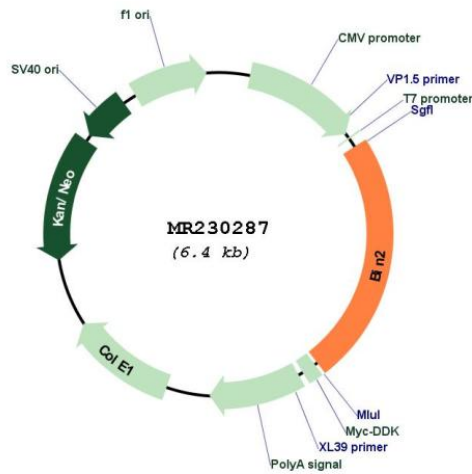
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001270537

ORF Size: 1515 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001270537.2](#)

RefSeq Size: 1978 bp

RefSeq ORF: 1518 bp

Locus ID: 668218

Cytogenetics: 15 F1

MW: 55.2 kDa