

## Product datasheet for **MR208063**

### **Bivm (NM\_144558) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bivm (NM_144558) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bivm
Synonyms:	A1854267
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208063 representing NM\_144558  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTAACGCCACTGAAGCTGGAAAAGCCACTGATCCTGGACATGGTGAGCACACATCTGAGAACAAGT  
 CACCAGAAGAGGGTCTACAAGGTGCTGTACCATCTTTCTATACAAGTGCCTCAGAAGCACCCATAGCGCC  
 CAGAGGAGATGGGCATTATCCATCGAGTTGTCCAGTGACTCACACTCGAGAGAAAATTTATGCGATCTGC  
 TCAGATTATGCCTTCTCAACCAGGCAACATCAGTCTACAAAACCTAGCCTAACCCGCTCTGCTTGCC  
 TCCCTGATAACACCTCTCTTTCTGCTGGAAATACTACAAGATATATTGGAATTTCAACTAGTACATCAGA  
 AATAATCTATAATGAAGAAAATAACTTGGAAAACCTGTCCACTGGCATGGGCAAGCTACCTCTTGATGG  
 GAGATTGATAAATCTGAATTTGATGGGGTACTACAAATTTGATACATAAGTCAGGCAATGTAAGAAAAC  
 AATTTTCCAAGAAGAAAACGTCGGATAAAAAAGGGCGGCATCAGAGGGAGTGTCTCCACTATTCTCTCT  
 TGATGATGTTAAACAACGCAAAGTGTAGACCTTAGGCGATGGTACTGCATAAGCCGACCACAGTACAAG  
 ACTTCATGTGGTATCTCCTCATTGATTTCTTGTGGAATTTCTTATACAGCATAATGGGAGCTGGGAATC  
 TCCCACCTATTACCCAAGAAGAGGCATTACATATTTGGGCTTCAACCCCCATTTGAAGATATTAGGTT  
 TGGCCCTTCACTGGAAATACAACACTCATGAGATGGTTAGACAAATTAATGACCACTTTCATGTGAAA  
 GGATGCTCTTATGTTCTATAAGCCCCATGGGAAGAACAAAACAGCTGGAGAACTGCTCCAGGGGCCCT  
 TATCAAAGTTGACCCGAGGATTGAAAGATGAGTCACTGGCTTATATCTATCATTGCCAAAATCACTATTT  
 CTGTCCAATTGGCTTTGAAGCAACCCCTGTGAAAGCTAATAAAGCATTGAGCAGGGGGCCCTCTCTTCA  
 CAAGAAGTAGAATACTGGATTTAATTGGAGAGTCAAGTAGAAAACATCCTGCCATTCACTGTA AAAAGT  
 GGCAGATATTGCACTGATCTAAACACTCAAAAATCCAGAATTTCTAGATATCCGACATCTAGAGAGGGG  
 GCTGCAGTTCCGGAAAACAAGAAGGTTGGAGGAAATTTGCATTGCATCATAGCATTCCAGAGACTCAGT  
 TGGCAGAGATTTGGCTTTTGGAACTTTCCATTTGGAACATTACACAAGAATCACAAACATCCCACACATG  
 TCCCGGAATTGCCAAATCTGAGAGTGAGGACAATATCTCTAAGAAGCAGCATGGGCGCCTGGCAGGTC  
 CTTCAAGTGCAGTTTCCATCAGGACTCGGCATGGAAGAACATGTCTAGCATCCACGAGAGGAGGAACAGT  
 GGCTACCACAGCTTTAGAGATTATAATGGCAATGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208063 representing NM\_144558  
 Red=Cloning site Green=Tags(s)

MPNATEAGKATDPGHGEHTSENKSPEEGLQGAVPSFYTSASEAPIAPRGDGHYPSSCPVHTREKIYAIC  
 SDYAFLNQATSVYKTPSLTRSACL PDNTSL SAGNTTRYIGISTSTSEIIYNEENNLNLSTGMGKLPLAW  
 EIDKSEFDGVTTLNIHKSGNVKKQF SKKKTSDKKGRHQRECLHYSPLDDVKQRKVLDLRRWYCISRPQYK  
 TSCGISSLISCNFLYSIMGAGNLPITQEEALHILGFQPPFEDIRFGPFTGNTTLMRWRQINDHFHVK  
 GCSYVLYKPHGKNKTAGETAPGALSKLTRGLKDESLAYIYHCQNHYFCPIGFEATPVKANKAFSRGPLSS  
 QEVEYWILIGESSRKHPA I HCKRWADIVDLNTQNPEFLDIRHLERGLQFRKTKKVGNNLHCIIAFQRLS  
 WQRFGFWNFPFGTITQESQHPHTVPGIAKSESEDNISKKQHGRGRLGRSFSASFHQDSAWKNMSSIHERNS  
 GYHSFRDYNGND

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9082\\_g08.zip](https://cdn.origene.com/chromatograms/mm9082_g08.zip)

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



ACCN: NM\_144558

ORF Size: 1506 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\\_144558.4](#), [NP\\_653141.3](#)

RefSeq Size: 3571 bp

RefSeq ORF: 1509 bp

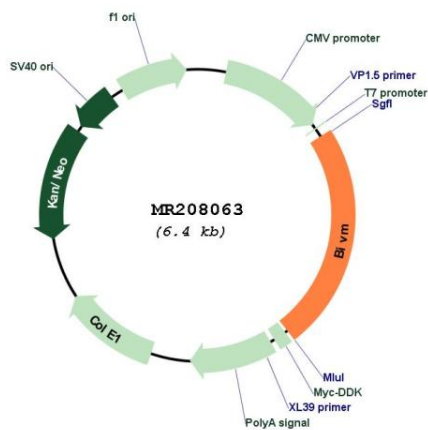
Locus ID: 246229

UniProt ID: [Q8CBX9](#)

Cytogenetics: 1 C1.1

MW: 56.6 kDa

Product images:



Circular map for MR208063