

## Product datasheet for MC223718

### Bmp2k (NM\_080708) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Bmp2k (NM\_080708) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Bmp2k  
**Synonyms:** 4933417M22Rik; AA673486; AV128808; BIKE  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223718 representing NM\_080708  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGAAGTTCTCTCGGATGCCAAGTCGGAGGGCAGCGGGCGGGGGCGGGCTGGCGGGGCCCGG  
 GCGGGCGGCTCGCGGGCGGCTTCGCAAGCTCGTCCATGGGGTCCGGGTGTTCCGCGTCGGCCGCTACCA  
 GGTCACCTGGAGGAGTCGCTGGCCGAAGGTGGATTCTCCACTGTTTTCTGGTGGGACTCACAGTGGG  
 ATCCGATGTGCACTGAAGCGAATGTATGTCAATAACACACCCGACCTCAACATTTGTAAGGAAATCA  
 CGATTATGAAAGAGTTATCTGGCCACAAAAATATTGTCGGTTATTTGGACTGTGCTGTCAATTCAATTAG  
 TGACAATGTGTGGGAAGTGCTTATCTTAATGGAATATTGTGAGCTGGGCAGGTTGTGAACCAGATGAAT  
 AAGAAGCTGCAGACAGGCTTTACCGAGTCAGAAGTCCTACAAATCTTCTGTGATACCTGCGAAGCTGTCG  
 CACGATTGCATCAATGTAAGACTCCCATAAATCCACCGGATCTGAAGGTAGAAAAATTTTGCTAAATGA  
 TGCTGAAATATGTGCTTTGTGACTTTGGCAGTGCCACTAATAAATTTCTCAATCTCAAAAAGATGGA  
 GTTAATGTAGTAGAAGAAGAAATTAATAAATACACGACTCTGTCGATAGAGCACCAGAAATGATCAACC  
 TTTATGGAGGAAACCGATCACCACCAAGGCTGATATCTGGCCTTGGGATGTTTTACTGTATAAACTTTG  
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 TCTCGCTACTCCCAACGTCATTGCTTGATTAGGTTTATGCTTGAACCAGACCCCGAGTGCAGACCTG  
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 ATTCCACTGCTGCCACTCCAGTGTGCTGACCATTCAGAGTTCAGCAACGCCTGTCAAAGTCCCTGCTCC  
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 GCAGCAACAACAGCTGCAGCAACAACAGCAACAGCAACAGCAACTACTTCAAATGCTTACTTGCAGCAG  
 TATCAGCATGCAATGCACCAGCAGCATATACTTCAGCAACAGTTTCTAATGCACTCAGTGTATCAGCCAC



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AACCGCTGCATCCCAGTATCCTGCCATGATGCAGCAGTATCAGCAGGCTTTCTTGCAGCAGCAGATGCT
AGCTCGCCATCAGCAGCCAGCACAGCAGGTATCACCCGAGTATCTTACCTCCCGCAAGATTCTCACCA
GCCTTAGTTTCTACGCCTCGTCACTTCCAGCTCAGGTTGGAACCATAGTGGACTCTTCTACGGTGCCA
ACAGGTCAAGTGTGAGAAAGAGGCAGTTGCAATTTTACAAATCAGAAGACCATTAGTACCCTCCTGA
CATGTCAGGCTGGAATCCTTTTGGAGAAGACAATTTTCCAAGTTAACAGAAGAGGAACTGTTGGACAGA
GAATTTGACCTTCTAAGATCAAACAGGCTCGGGGCGAGCACACCCTCAGATAAGACTGTAGACCTGCCCC
CGCTCCACATAGCCGCTCCTCCGAGGAGCCTTTTGGCTTCCGTCCTTTTCAATTTCTCAGTACAGTTCTCC
TGAAGAAAGAAACGACGGAACATTCTCAAATCAAATCTATCACTGCAAACCTTACAAAAATGGAGGC
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TACAAAAGGGACATGATGATTCTGAAAGTGATTTGAAATCAGACCCCCCTTCTCCTAAGAGCAGTGAAGA
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AGTGTGAACAGGCAAAGACCAAGAGAGGAGACACGAGCTCCCTGCGCAGGGACAAACCTGGCGTGGCCCC
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TTTGGCGTGTTCCTTTCTTGCAGCGCTGCTCCGACAGCCTGCAGCAGAGGGGATGGGAAGAACC
TGTCACAGCATGCTTTTCCAGAGCAGGAGGACTTCGACGTGTTTCAAAGGCACCCTTCAAACAAGAGGT
CAGCGTACAGGACTGGCCCGGCTGGGGCCAGATGCCCGCCTCTGCCTGCACGGCCAGAAAGTGTAGAT
ATATTTGGCTCCACTCCCTTCCAGCCCTTCTCCGTGTCAGCCAGTAAAAGTGAAGCAAGGAGGATGTTT
TTGGGCTCGTGCCCTTTGAGGAAATAACTGGGAGTCAGCAGCAGCAAAAGTCAAGCAGCGCAGCTTGCA
GAAACTCTCTCTCGCCAGAGACGCACAAAGCAGGATGTGTCCAAAGCAATGGGAAGCGCCATCACGGC
ACCCCTACCAGCGCAAAGAAGACGCTGAAGCCCCCTACCGCACGCCCGAGAGGGCCCGCAGACACAAGA
AGGTGGGCCGAGAGACTCCAGAGCAGCAATGAGTTTTTAACCATTTCCGATTCCAAGGAGAACATCAG
CGTCCGCTGACTGATGGCAAAGACAGGGCCAGTGTCTGCCATCTGACGAGAGTCTGCTGGACCCATTC
GGTGCCAAAGCCCTTTCATCCTCCAGACTTGTGGACCAGCCCATCAGGGCCTAAGCGACATCTGCGTTG
ATCACACCACATTTTGCCTGGGAGGCCGACAGAATTCAGTACACGGTCTTCCACAGCGCAGAGAC
ATTGAGAATGGATGACTTTGGTGCCTGTCCTTTACAGAACTCGTGGTCAAAGTGTCACTCCACAACAG
TCCCAACCGGTGCAACTAGACCCTTTGGTGTCTCCATTTCTTAAACAGTAG
```

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_080708
- Insert Size:** 3417 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\\_080708.1, NP\\_542439.1](#)  
RefSeq Size: 6585 bp  
RefSeq ORF: 3417 bp  
Locus ID: 140780  
UniProt ID: [Q91Z96](#)  
Cytogenetics: 5 E3  
Gene Summary: May be involved in osteoblast differentiation.[UniProtKB/Swiss-Prot Function]