

## Product datasheet for **RN207491**

### **Bmp3 (NM\_017105) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Bmp3 (NM_017105) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bmp3
Synonyms:	PBMP3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN207491 representing NM\_017105  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTGGGGCTCGCGGGCTGTGTGTCTGTGGCTAGGTTGTTTCTGCCTGAACCTGGCACAGGGACAGA  
 GACCAAATTTGCACCTCCCGGGACTCCGCGGGACTGAGTCAAGCGACCGCATGACAGGTGGTGGCCGAG  
 CCCGGACCTGAGGCCTCACGACAAGGTGTGAGAGCATATGCTGTGGCTCTATGACAGGTACAGCGGCAGC  
 AACAGAGCCAGGCTACCCGGACACCGGGCTCGCAGCTCCCGGGTCCCCAACCCCTGCGTGGCGGTAACA  
 CGGTTCTGAGTTCAGAGCCGACCGCAGGAACCTTCAAAGAAAGGGCTTGCACACTTTTAACTGAC  
 TTCTCTAACCAAGTCTGAGAACATTTTGTGAGCCACACTGTATTTCTACATTGGAGAATTGGTGAACACC  
 AGTGTGAAGTGTCCAGAATCCCAAGTTGTTCCCATGACAGCCAGAGACAACACATCCAGATAGACCTCT  
 CTGCATGGACCTCCAATCCAACCAAAGCCAGCTCTGGGTCTGTGTCAGTAGATACGGCCAAACCTTA  
 TAGAGACAGCATGTCTGGCTGTCAAAGACATCACTCAGCTCTACGGAAGGCCAAGCAAGACGAGGAG  
 TTTCTCATAGGATTTAACATTACCTCCAGAGCACACGAGCTTCCAAGAGGATGTGCTTTTCCCGGAAC  
 CTTATATCTTGGTGTATGCCAACGATGCCGCCATTTGTGAGCCTGAAAGCGTGGTATCTAGCCTACAGAG  
 ACACCGGATTTACAGCAGGAAGTGTGCCAGACTGGATAGCCACGTCAGAGAAGCCCTCTCTGTTGAG  
 AGGAGGAAGAAGCGCTCTACTGGGATCTTGTGCCATTGAGAACACGAGCTCCCTGGGGCCGAGTATC  
 AGTACAAGGAGGCTGGAGTGTGGGAGGAGAGAAAGCCTTACAAGAGCCTTCAGACTCAGCCTCTGAAAA  
 GAGCCGGAGCAAAAAGAAACAGAGGAAAGGGCCTCATCAAAGGGACAGACACTGCAGTTTATGAGCAG  
 ACACTGAAGAAGCGAGGCGAAAGCAGTGGATCGAGCCTCGGAAGTGTGCCCGCAGGTACCTTAAAGTGG  
 ACTTTGCCGATATTGGCTGGAGCGAATGGATTATCTCCCCAAGTCATTTGATGCCTACTATTGCTCCGG  
 AGCCTGCCAGTTCCCATGCCAAAGTCTTTGAAGCCATCAAATCACGCCACCATCCAGAGCATAGTGAGA  
 GCCGTGGGGTCTCTCTGGGATTCTGAGCCCTGCTGTGTTCCGGAGAAGATGTCCTCGCTCAGCATCT  
 TGTCTTTGACGAGAACAAGAATGTGGTCTCAAAGTCTATCCTAACATGACAGTAGACTCTTGTGCTTG  
 TAGATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_017105

**Insert Size:** 1407 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\\_017105.1](#), [NP\\_058801.1](#)  
RefSeq Size: 2158 bp  
RefSeq ORF: 1407 bp  
Locus ID: 25667  
UniProt ID: [P49002](#)  
Cytogenetics: 14p22  
Gene Summary: may play a role in bone and cartilage formation [RGD, Feb 2006]