

Product datasheet for **RR207491**

Bmp3 (NM_017105) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR207491 representing NM_017105
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGGGGCTCGCGGGCTGCTGTGTCTGTGGCTAGGTTGTTTCTGCCTGAACCTGGCACAGGGACAGA
 GACCAAATTTGCACCTCCCGGGACTCCCGGGACTGAGTCAAGCGACCGCATGACAGGTGGTGGCCGAG
 CCCGGACCTGAGGCCTCACGACAAGGTGTGAGAGCATATGCTGTGGCTCTATGACAGGTACAGCGGCAGC
 AACAGAGCCAGGCTACCCGGACACCGGGCTCGCAGCTCCCGGGTCCCCAACCCCTGCGTGGCGGTAACA
 CGGTTCTGAGTTCAGAGCCGACCGCAGGAACCTTTCAAAGAAAGGGCTTGCACACTTTTAACTGAC
 TTCTCTAACCAAGTCTGAGAACATTTTGTGAGCCACACTGTATTTCTACATTGGAGAATTTGGTGAACACC
 AGTGTGAAGTGTCCAGAATCCCAAGTTGTTCCCATGACAGCCAGAGACAACACATCCAGATAGACCTCT
 CTGCATGGACCTCCAATCCAACCAAAGCCAGCTCTGGGTCTGTGTCAGTAGATACGGCCAAACCTTA
 TAGAGACAGCATGTCTGGCTGTCAAAGACATCACTCAGCTCTACGGAAGGCCAAGCAAGACGAGGAG
 TTTCTCATAGGATTTAACATTACCTCCAGAGCACACGAGCTTCCAAGAGGATGTGCTTTTCCCGAAC
 CTTATATCTTGGTGTATGCCAACGATGCCGCCATTTGTGAGCCTGAAAGCGTGGTATCTAGCCTACAGAG
 ACACCGGATTTACAGCAGGAAGTGTGCCAGACTGGATAGCCACGTCAGAGAAGCCCTCTCTGTTGAG
 AGGAGGAAGAAGCGCTCTACTGGGATCTTGTGCCATTGCAGAACAACGAGCTCCCTGGGGCCGAGTATC
 AGTACAAGGAGGCTGGAGTGTGGGAGGAGAGAAAGCCTTACAAGAGCCTTCAGACTCAGCCTCTGAAAA
 GAGCCGGAGCAAAAAGAAACAGAGGAAAGGGCCTCATCAAAGGGACAGACACTGCAGTTTATGAGCAG
 ACACTGAAGAAGCGAGGCGAAAGCAGTGGATCGAGCCTCGGAAGTGTGCCCGCAGGTACCTTAAAGTGG
 ACTTTCCGATATTGGCTGGAGCGAATGGATTATCTCCCCAAGTCATTTGATGCCTACTATTGTCGGG
 AGCCTGCCAGTTCCCATGCCAAAGTCTTTGAAGCCATCAAATCACGCCACCATCCAGAGCATAGTGAGA
 GCCGTGGGGTCTCTCTGGGATTCCTGAGCCCTGCTGTGTTCCGGAGAAGATGCTCTGCTCAGCATCT
 TGTCTTTGACGAGAACAAGAATGTGGTCTCAAAGTCTATCCTAACATGACAGTAGACTCTTGTGCTTG
 TAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207491 representing NM_017105
 Red=Cloning site Green=Tags(s)

MAGARGLLCLWLGCFLNLAQQQRPNLHLPGLRGTESSDRMTGGGSPDLRPHDKVSEHMLWLVDYRSGS
 NRAQATRTPGSQLPGPQPLRGGNTVRSFRAAAAGTLQRKGLHTFNLTSLTKSENILSATLYFYIGELVNT
 SVNCPESQGCSDSQRQHIQIDLAWTLQSNQSLLGHLVSDTAKPYRDSMSWLSKDITQLLRKAKQDEE
 FLIGFNITSRAHELPKRMLLFPEPYILVYANDAAICEPESVSSLRHRDFTAGTVPRLDHSHVREALSVE
 RRKKRSTGILLPLQNNELPGAELYQYKEAGVWEERKPYKSLQTQPPEKSRSKKQKRGPHQKGQTLQFDEQ
 TLKKARRKQWIEPRNCARRYLKVDFADIGWSEWII SPKSFDAYYCSGACQFPMPKSLKPSNHATIQSIVR
 AVGVVSGIPEPCVPEKMSSLSILFFDENKNVVLKVPYPMNTVDSACR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

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

MW: 52.7 kDa

Gene Summary: may play a role in bone and cartilage formation [RGD, Feb 2006]