

Product datasheet for **RN201404**

Bmp2 (NM_017178) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Bmp2 (NM_017178) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Bmp2
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >RN201404 representing NM_017178
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGGCCGGGACCCGCTGTCTTAGTGTGCTGCTCCCCAGGTCTCTGGGCGGCGGGCCGGCC
 TCATTCGGGAGCTGGGCGCAAGAAGTTCGCGGGGCATCGCGCCCTTATCCCGGCTTCGGAGGACGT
 CCTCAGCGAGTTTGAGTTGAGGCTGCTCAGCATGTTTGGCCTGAAGCAGAGACCCACCCCGCAAGGAC
 GTCGTGGTGCCCCCTATATGCTCGACCTGTACCGCCGGCAACACCCGTCCATCAGCTTCCATCAGGAAGAACATCGA
 ACCACCGGTGGAGAGGGCAGCCAGCCGCGCAACACCCGTCCATCAGCTTCCATCAGGAAGAACATCGA
 GGAATTTTCAGAAATGAGTGGGAAACTTCCCGACGCTTCTTCTCAATTTAAGTTCTGTCCCTACTGAT
 GAGTTTCTCACATCTGCAGAGCTCCAGATTTTTTCGGGAACAAATGCAGGAAGCTTTGGGAAATAGTAGTT
 TCCAGCACCGAATTAATATTTATGAAATTATAAAGCCTGCCACAGCCAGCTCAAAATTTCTGTGACCAG
 ACTATTGGACACCAGGTTAGTGACTCAGAACACAAGTCAGTGGGAGAGCTTTGATGTACCCCGGCTGTG
 ATGCGATGGACAGCACAGGGACACCAACCATGGGTTTGTGGTGGAGTGGCCACTTAGAGGAGAAGC
 CAGGTGTCTCAAGAGACATGTGAGGATTAGCAGGTCTTGCACCAAGATGAACACAGCTGGTCTCAGGT
 AAGACCACTGCTAGTGACTTTTGGCCACGACGGTAAAGGACATCCACTCCACAAACGAGAAAAGCGTCAA
 GCCAAACACAAACAGCGAAGCGTCTTAAGTCCAGCTGCAAAAGGCACCCCTTTGTATGTGGACTTCAGTG
 ATGTGGGTGGAATGACTGGATCGTGGCCCTCCAGGCTATCATGCCCTTTACTGCCATGGGGAATGTCC
 TTTTCCCCTGGCTGATCACCTGAACTCCACCAACCATGCCATAGTGCAGACTCTGGTAAACTCTGTGAAT
 TCCAAATCCCTAAGGCATGCTGTGTCCTCCACTGAGCTTAGCGCAATCTCCATGTTGTACCTAGATGAAA
 ACGAAAAGGTTGTGCTAAAAAATATCAGGACATGGTTGTGGAGGTTGCGGGTGTGCGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_017178
Insert Size:	1182 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:	<ol style="list-style-type: none">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_017178.1 , NP_058874.1
RefSeq Size:	1275 bp
RefSeq ORF:	1182 bp
Locus ID:	29373
UniProt ID:	P49001
Cytogenetics:	3q36
Gene Summary:	involved in cellular signaling during limb development; induces bone formation [RGD, Feb 2006]