

## Product datasheet for **RN217391**

### **Bmp1 (NM\_031323) Rat Untagged Clone**

#### **Product data:**

|                    |                                     |
|--------------------|-------------------------------------|
| Product Type:      | Expression Plasmids                 |
| Product Name:      | Bmp1 (NM_031323) Rat Untagged Clone |
| Tag:               | Tag Free                            |
| Symbol:            | Bmp1                                |
| Vector:            | pCMV6-Entry (PS100001)              |
| E. coli Selection: | Kanamycin (25 ug/mL)                |
| Cell Selection:    | Neomycin                            |



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**Fully Sequenced ORF:** >RN217391 representing NM\_031323  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCGCGTGGCCCGCCCGCTGCCGCTGCTGTCGCTGCCACTGCTGCTACTGCTGCTGCCCGC  
 GCGCCGGCCGGCCGCTGGACTTGCCGACTACACCTACGACCTGGCGAGGAGGACGCCCGGAGCTCCT  
 CAACTACAAAGACCCCTGCAAGGCGGCTGCCTTTCTTGGGGACATTGCCCTGGATGAGGAGGACTTGAGG  
 GCCTTCCGGGTGCAGCAGGCTGCAGTTCTCAGACAACAAACAGCCAGAGGTCGCCATCAAAGCTGCAG  
 GGAACTCTTTCGCCCTGGGTAGACAGAGCAGAGTGGGCAGCCGAGAGGGGAAGCAGAGGCAGATGGAG  
 AAGCAGGCCTCGGAGCAGGCGGGCAGCGACATCCAGACCAGAGCGAGTGTGGCCCGATGGGGTCATCCCA  
 TTTGTCATCGGAGGGAATTTCACTGGCAGCCAGAGGGCAGTCTCCGGCAGGCCATGAGACTGGGAGA  
 AGCATACTGTGCACCTTCTTGGAGCGCACAGATGAGGACAGCTATATTGTATTACCTACCGACCCTG  
 CGGGTGCTGCTCCTACGTGGGTGCGGAGGTGGGGGCCCCAGGCCATCTCCATCGCAAGAACTGTGAC  
 AAGTTTGGCATCGTGGTCCATGAGCTGGCCATGTCATTGGCTTCTGGCAGGACACACCGGCCCGGACC  
 GGGACCGCATGTCTCTATTGTACGGGAGAACATACAGCCAGGGCAGGAGTATAACTTCTTGAAGATGGA  
 AGTTTCAGGAAGTCGAGTCCTTGGGAGAGACCTATGACTTTGACAGTATCATGCACTATGCCCGGAACACG  
 TTCTCCAGGGGCATCTTCTGGACACCATTTGTTCCCAAGTATGAGGTGAATGGGGTGAAGCCTTCCATTG  
 GCCAAAGGACCCGACTCAGCAAGGGGACATCGCTCAGGCCCGGAAGCTCTACAAATGCCAGCCTGTGG  
 TGAGACCTCCAAGACAGCACTGGCAACTTCTCTCCCTGAGTATCCCAATGGCTACTTGGCCACATG  
 CACTGTGTATGGCGTATCTCTGTACACCGGGGAGAAGATTATCTGAACCTTACATCTATGGACCTGT  
 ACCGTAGCCCGCTGTGCTGGTATGACTATGTGGAGGTGCGGGATGGCTTCTGGAGAAAGGGCCCTCCG  
 AGGCCGGTCTGTGGGGGAAACTCCCCGAGCCATTGTCTCCACCGACAGCCGCCTCTGGGTGGAATTC  
 CGAAGCAGCAGCAATTGGGTTGAAAGGGCTTCTTTGCTGTCTACGAAGCCATTTGCGGTGGTGACGTGA  
 AAAAGGATAACGGTCACATCCAGTACCCCAATTACCCCGACGATTACCGCCAGCAAAAGCTGCATCTG  
 GCGGATCCAGGTGTCTGAGGGTTCCACGTGGGCCTCACGTTCCAGTCTTTGAGATCGAGCGTCACGAC  
 AGTTGTGCTACGACTACCTGGAGGTCCGAGATGGGCACAGTGAAGCAGCAACCTATTGGGCGATATT  
 GTGGGTATGAGAAGCCTGATGACATCAAAGCAGATCTAGTCGGCTCTGGCTCAAGTTCTGCTCCGATGG  
 GTCCATTAACAAAGCTGGCTTTGCAGTCAACTTTTTCAAAGAGGTAGATGAGTGTCAAGGCCCAACCGC  
 GGGGGCTGTGAGCAGCGGTGCCTAAACACCTGGGCAGCTACAAGTGCAGCTGTGACCCCGCTATGAGC  
 TGGCCCCAGACAAGCGTGGGTGAAGTGCCTGCGGTGGATTCCCTACCAAGCTCAATGGCTCCATCAC  
 CAGCCCCGGTTGGCCAAAGAGTACCCTCCCAAAAAAAGTGCATCTGGCAGTTGGTGGCCCCACCCAG  
 TACCGTATCTCCCTGCAATTTGACTTCTTCGAGACTGAGGGCAATGATGTGTGCAAGTATGATTTCTGG  
 AGGTGCGCAGCGGACTCACAGCCGACTCTAAACTACATGGCAAGTTCTGTGGCTCCGAGAAAACAGAGGT  
 CATCACTTCCAGTACAACAACATGCGTGTGGAGTTCAAGTCTGACAATACTGTGTCAAAAAAGGGCTTC  
 AAGGCCACTTCTTCTCAGACAAGGATGAATGTTCCAAGGACAATGGTGGCTGCCAGCAAGACTGCGTGA  
 ACACATTTGGCAGCTACGAGTGTGAGTGTGCGAGCGGCTTTGCTTTCAGACAACAACATGACTGTAA  
 GGAAGCCGGCTGTGAGCACAAGTGCATCCACCAGTGGCACCATCACCAGCCCCAAGTGGCTGACAAG  
 TACCCAGCAAGAAGGAGTGTACGTGGGTATCTCCAGCACCCCTGGGCACCGGGTGAAGCTGACTTTTG  
 TGGAGATGGATATTGAGTCTCAGCCTGAATGCGCTTATGACCACCTGGAGGTGTTTGGTGGCGTATGC  
 CAAGGCGCAGTCTTGGCCGATTCTGTGGCAGTAAGAAGCCTGAGCCAGTCTGGCTACCGGCAACCCG  
 ATGTTCTTGCCTTCTACTCAGACAACCTCAGTACAGAGGAAAGGTTTCCAGGCCTCCCACTCCACAGAGT  
 GTGGGGGCAAGTGGGGCAGATGTGAAGACCAAGACCTTTATTCCATGCCAGTTTGGTGATAACAA  
 CTACCCCGAGGGGTGGACTGCGAGTGGGTGATTGTGGCAGAGGAAGGCTATGGCGTGGAGTTGGTGTTC  
 CAGACCTTCGAGGTAGAGGAGGAGACCGACTGTGGCTATGACTACATGGAGCTCTTCGACGGCTACGACA  
 GCACAGCTCCTAGACTGGGGCGTACTGTGGCTCTGGCCCTCTGAGGAAGTGTACTCGCCGGAGACTC  
 TGTCTGGTGAAGTTCCACTCTGATGACACCATCTCCAAGAAAGGCTTTACCTGCGGTACACAAGCACC  
 AAGTTCCAGGACACACTCCACAGCAGGAAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                               |   |
|-------------------------------|---|
| <b>Restriction Sites:</b>     | Sgfl-Mlul   |
| <b>ACCN:</b>                  | NM_031323   |
| <b>Insert Size:</b>           | 2973 bp   |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_031323.1</a></u> , <u><a href="#">NP_112613.1</a></u>   |
| <b>RefSeq Size:</b>           | 3647 bp   |
| <b>RefSeq ORF:</b>            | 2973 bp   |
| <b>Locus ID:</b>              | 83470   |
| <b>Cytogenetics:</b>          | 15p11   |
| <b>Gene Summary:</b>          | mouse homolog is a secreted astacin metalloprotease that cleaves the COOH-propeptide of procollagen I, II and III [RGD, Feb 2006]   |