

Product datasheet for MC206189

Bmp1 (BC066062) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bmp1 (BC066062) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bmp1
Synonyms:	TLD
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC066062
 CCGGGCCGAGCGGGGGCGGGAGACAGGAAACGGGACGGGAAGAGGTGGCCTCGGGGGAGAGCGCCTCC
 CCTTCGCCTTCAGCGCTCCCTTCCCGTCGCCCGCTCCCGCTCCGGGCGCACCGCCACCGCCACCGC
 CGCCCGCAGCATGCCCGCGTGGCCCGCCCGCTGCCGCTGCTGTCGCTGCCGCTGCTACTGCTGCT
 GCTGCTGCTCCCGCGCGCCGGCCGCTGGACTTGGCCGACTACACCTACGACCTGGGCGAGGAGGAC
 GCCCGGAGCTCCTCAACTACAAAGACCCTTGCAAGGCGGCTGCCTTCTTGGGACATTGCCCTGGATG
 AGGAGGACTTGAGGGCCTTCCAGGTGCAGCAGGCTGCAGTTCTCAGACAGCAAACAGCCGAAGGCCATC
 CATCAAAGCTGCAGGAACTCTTCTGCCCTGGGTGGTCAGGGCACTAGTGGACAGCCGAGAGGAAAGC
 AGGGGCAGATGGAGAGGCAGGCCTCGGAGCAGGCGGCAGCGACGTCCAGACCGGAGCGGGTGTGGCCG
 ATGGGGTCATCCCGTTTGTGATTGGAGGGAATTCACCGGCAGCCAGAGGGCAGTCTCCGCGAGGCCAT
 GAGACACTGGGAGAAGCATACCTGTGTACCTTCTTGGAGCGCACAGATGAGGACAGCTATATTGTATTC
 ACCTACCGACCCTGCGGGTGTGCTCCTACGTGGGTGCGCCGAGGTGGGGGCCCCAGGCCATCTCCATCG
 GCAAGAACTGTGACAAGTTTGGCATCGTGGTCCATGAGCTGGGCCATGTCATTGGCTTCTGGCACGAGCA
 CACGCGGCCCGACCGGGACCGCCATGTCTCTATTGTACGCGAGAACATACAGCCAGGGCAGGAGTATAAC
 TTCTTGAAGATGGAGGTTCAAGAAGTGGAGTCTTGGGAGAGACCTATGACTTTGACAGTATCATGCACT
 ATGCCCGAACACATTCTCCAGGGGCATCTTCTTGGACACCATTGTTCCCAAGTATGAGGTGAATGGGGT
 GAAGCCTTCCATTGGCCAAAGGACCCGACTCAGCAAGGGGGACATCGCTCAGGCCCGGAAGCTCTACAAA
 TGCCAGCCTGTGGCGAGACCCTCAAGACAGCACTGGCAACTTCTCCTCCCTGAGTATCCCAATGGCT
 ACTCTGCCACATGCACTGTGTATGGCGCATCTGTGCACACCTGGGAGAAAGATTATTCTAAACTTCAC
 ATCCATGGACCTGTACCGTAGCCGCTGTGCTGGTATGACTATGTGGAGGTGCGGGATGGCTTCTGGAGA
 AAGGCGCCCTCCGAGGCGGTTCTGTGGGGGCAAACTCCCCGAGCCATCGTCTCCACCACAGCCGCC
 TCTGGGTGGAATCCGAAGCAGCAGCAACTGGGTTGAAAAGGGCTTCTTTGCTGTCTATGAAGCCATTTG
 CGGTGGCGATGTAAAAAGGATAATGGCCATATCCAGTCTCCCAATTACCCAGACGATTATCGGCCAGC
 AAAGTCTGCATCTGGCGGATCCAGGTGTCTGAGGGTTTCCACGTGGGCCTCACGTTCCAGTCTTTGAGA
 TTGAGCGTCACGACAGTTGTGCCTACGACTACCTGGAAGTCCGTGATGGGCACAGCGAGAGCAGCAACCT
 CATTGGGCGCTACTGTGGCTATGAGAAGCCTGATGACATCAAAGCACATCCAGTCGGCTCTGGCTCAAG
 TTCGCTCTGACGGGTCCATTAACAAAGCTGGCTTCGAGTCAACTTTTTCAAAGAGGTGGATGAGTGT



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CAAGGCCCAACCGCGGGGCTGTGAGCAGCGGTGCCTGAACACCCCTGGGAGCTACAAGTGCAGCTGTGA
 CCCTGGCTATGAGCTGGCCCCAGACAAGCGTCGGTGTGAGGCTGCCTGTGGTGGATTCTCACCAAGCTC
 AATGGCTCCATCACCAGCCCCGGTTGGCCAAAGAGTACCTCCCAACAAAACTGCATCTGGCAGTTGG
 TGGCCCCACCCAGTACCGTATCTCCCTGCAATTTGACTTCTTCGAGACTGAGGGCAATGATGTGTGCAA
 GTACGACTTTGTGGAGGTGCGCAGCGGACTCACGGCGGACTCTAAGCTGCATGGCAAGTTCTGCGGCTCC
 GAGAAGCCAGAGGTCACTTCCCAGTACAACAATATGCGTGTGGAGTCAAGTCTGACAATACTGTGT
 CCAAAAAGGGCTTCAAGGCCCACTTCTTCTCAGATAAGGATGAATGTTCCAAGGACAATGGTGGATGCCA
 GCAAGACTGTGTGAACAGTTTCGGCAGCTACGAGTGTGAGTGCAGTGCAGTGGCTTCCTTCACGACAAC
 AAACATGACTGTAAAGAAGCTGGCTGTGAACACAAAGGTGACATCCACCAGTGGCACCATCACCAGCCCCA
 ACTGGCTGACAAGTACCCAGCAAGAAGGAGTGTACGTGGGCTATCTCCAGCACCCCTGGGCACCGGGT
 AAAGCTGACTTTCGTGGAGATGGATATTGAGTCTCAGCCCGAGTGTGCTTATGACCACCTGGAGGTGTT
 GATGGACGTGATGCCAAGGCACCAGTCTTGGACGATTCTGTGGCAGTAAGAAGCCTGAGCCAGTCTGG
 CTACAGGCAACCGCATGTTCTTGCCTTCTACTCAGACAACCTCGTACAGAGGAAAGGTTTCCAGGCATC
 CCACTCCACAGAGTGTGGGGCCAAGTGCGGGCAGATGTGAAGACCAAAGACCTTTATCCCATGCCAG
 TTCGGCGATAACAACCTACCTGGAGGGTGGACTGCGAGTGGTTCATCGTGGCCGAGGAAGGCTATGGCG
 TGGAGCTGGTGTCCAGACCTTCGAGGTGGAGGAGGAGACTGACTGTGGCTATGACTACATAGAGCTCTT
 TGATGGCTACGACAGCACAGCTCCAGACTGGGGCGCTACTGTGGTTCTGGGCTCCCGAGGAAGTGTAC
 TCGGCTGGAGATTCTGTCTGGTGAAGTTCACCTCTGACGACACCATCTCCAAGAAAGGCTTCCACCTGC
 GGTACACAAGCACCAAGTTCAGGACACACTCCACAGCAGGAAGTACCTCTGCCCTGCTTGGTAGCGG
 GAACTGGAGTCTGCTCCCTCAATCACCCAGACTGGACAGCAGGGGTGACAGGCAGATGGTACACATT
 GTCCCTCACCCACAGGCACCAGGGCCAGTGGGCCAGGTGTCAACAGGAGGCAAGGACTTGGACTCCCTG
 TAAGCCAGTTCCCATGCCCTCTGTGAGTGGGGCCGGGAACCGGAGCTTCTACTGAGACACTTGAAGT
 GACCATTCCTCCTTGGGGCCCTGCCTGGGTAAGACAGTCTCTGTGCAGGACCCTGCGGGCTTCTGCGC
 GTCTTTACACACTGTATTGTGTATAGCCGGTGCCTAATCTTTATTGTAACTACATTTCTGCCCTT
 CTCAGCCTTGATTTGGTTTTATATTGACCCACCACTTCTATGCTTCTGGGTATCCCTGGGAGCCGTG
 ACGGGGAGCTAGAGAAGAGAGAGTGGATGAATAAGACAGGGCTTCTTATGGCCCACTGGCTCATCAGCC
 ACACCAGGGCACCCAGCCAATAAACAGAAAGTGTACAGCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

Ascl-NotI

ACCN:

BC066062

Insert Size:

2976 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:
[BC066062](#), [AAH66062](#)
RefSeq Size:

3705 bp

RefSeq ORF: 2976 bp

Locus ID: 12153

Cytogenetics: 14 36.32 cM

Gene Summary: This gene encodes a metalloproteinase that plays an essential role in the formation of the extracellular matrix and is also able to induce ectopic bone formation. Unlike other bone morphogenetic proteins, the protein encoded by this gene is not closely related to transforming growth factor-beta. This protein plays in role several developmental processes. In humans, mutations in this gene are associated with osteogenesis imperfecta and with increased bone mineral density and multiple recurrent fractures. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]