

Product datasheet for **MC201085**

Bmp7 (NM_007557) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bmp7 (NM_007557) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bmp7
Synonyms:	O; OP1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC010771 sequence for NM_007557
 GTCCTGGCGAGTGCAGGGCCGAGGGGCCCGGGCCAGAAGTGAAGGACAGGGGCGTCCCGGGCAAAG
 CGCAGCCGGCCGGGAGTGGCCATGTGTGGCGAGGCCGCTTGAAGCTCGCCTGCAGCAAGTGACCTCGG
 GTCGTGGACCGCTGCCCTGCCCCCTCCGCTGCCACCTGGGGCGCGCGGGCCCGGTGCCCGGATCGCGC
 GTAGAGCCGGCGCGATGCACGTGCGCTCGCTGCGCGCTGCGGCGCCACACAGCTTCGTGGCGCTCTGGG
 GCCTCTGTTCTTGTGCGCTCCGCCCTGGCCGATTTACGCTGGACAACGAGGTGCACTCCAGCTTCATC
 CACGGCGCCTCCGACCCAGGAGCGGGGAGATGCAGCGGGAGATCCTGTCCATCTTAGGGTTGCCCC
 ATCGCCCGCCCGCACCTCCAGGGAAAGCATAATTCCGGCGCCATGTTTCATGTTGGACCTGTACAACGC
 CATGGCGGTGGAGGAGAGCGGGCCGACGGACAGGGCTTCTCCTACCCCTACAAGCCGTCTTCAGTACC
 CAGGGCCCCCTTTAGCCAGCCTGCAGGACAGCCACTTCTCACTGACGCCGACATGGTCATGAGCTTCG
 TCAACCTAGTGAACATGACAAAGAATTCTCCACCCTCGATACCACCATCGGGAGTTCCGGTTTGATCT
 TTCCAAGATCCCCGAGGGCGAAGCGGTGACCGCAGCCGAATTCAGGATCTATAAGGACTACATCCGGGAG
 CGATTTGACAACGAGACCTTCAGATCACAGTCTATCAGGTGCTCCAGGAGCACTCAGGCAGGGAGTCGG
 ACCTCTTCTTGTGGACAGCCGACCATCTGGGCTTCTGAGGAGGGCTGGTTGGTGTGATATCACAGC
 CACCAGCAACCACTGGGTGGTCAACCCTCGGCACAACCTGGGCTTACAGCTCTCTGTGGAGACCCTGGAT
 GGGCAGAGCATCAACCCCAAGTTGGCAGCCTGATTGGACGGCATGGACCCAGAACAAAGCAACCCCTCA
 TGGTGGCCTTCTTCAAGGCCACGGAAGTCCATCTCCGTAGTATCCGGTCCACGGGGGCAAGCAGCGCAG
 CAGAATCGCTCCAAGACGCCAAAGAACCAAGAGGCCCTGAGGATGGCCAGTGTGGCAGAAAAACAGCAGC
 AGTGACCAGAGGCAGGCCTGCAAGAAACATGAGCTGTACGTGACGCTTCCGAGACCTTGGCTGGCAGGACT
 GGATCATTGCACCTGAAGGCTATGCTGCCTACTACTGTGAGGGAGAGTGCGCCTTCCCTCTGAACCTCA
 CATGAACGCCACCAACACGCCATCGTCCAGACACTGGTTCATTCATCAACCCAGACACAGTACCCAAG
 CCCTGCTGTGCGCCACCAGCTCAACGCCATCTCTGTCTCTACTTCGACGACAGCTCTAATGTATCC
 TGAAGAAGTACAGAAACATGGTGGTCCGGGCTGTGGCTGCCACTAGCTTTCCTGAGACCTGACCTTT
 GCGGGGCCACACCTTCCAAATCTTCGATGTCTACCATCTAAGTCTCTACTGCCACCTTGGCGAGGA
 GCCAACAGACCAACCTCTCTGAGCCTTCCCTCACCTCCCAACCGGAAGCATGTAAGGGTTCCAGAAA
 CCTGAGCGTGCAGGCAGCTGATGAGCGCCTTCTTCTGGCACGTGACGGACAAGATCCTACCAGCTAC
 CACAGCAAACGCCTAAGAGCAGGAAAAATGTCTGCCAGGAAAGTGTCCATTGGCCACATGGCCCTGGCG
 CTCTGAGTCTTTGAGGAGTAATCGCAAGCCTCGTTCAGCTGCAGCAGAAGGAAGGGCTTAGCCAGGGTGG
 GCGCTGGCGTCTGTGTTGAAGGGAAACCAAGCAGAAGCCACTGTAATGATATGTCACAATAAACCCATG
 AATGAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_007557

Insert Size: 1293 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: [BC010771](#), [AAH10771](#)

RefSeq Size: 1987 bp

RefSeq ORF: 1293 bp

Locus ID: 12162

UniProt ID: [P23359](#)

Cytogenetics: 2 95.54 cM

Gene Summary: This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. Mutation of this gene results in skeletal, kidney, and other developmental defects. [provided by RefSeq, Jul 2016]