

Product datasheet for **MC204758**

Bmp15 (NM_009757) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bmp15 (NM_009757) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bmp15
Synonyms:	AU015375; AU018861; AU021453; Bmp-1; Bmp-15; C86824; C87336; GDF-9B
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC055363
AAGAGGTAATCCATTAGATTGGGTGCAGGCCAGGTTCTTGAATGGGCCTTCTCCTCGGTTACTTTAG
CCTGTCTGAGAACTGCTGTGACTTCCCACCACTGGGGAGTGGGAAGGGCATGCTGCCTTGTCCCCTTG
CTTTTTCTGTTTGTTCATGCCAAGAAGCCTAGTCAGGAGACTCGCTTTGGCCAGAAGATTCTCCCAC
AGGAAGTAAGATAGGGTCTGCCAGTCGGCGTTTCTTTTTATTTCTTGCCCGTCTTTGGTATTTGTTAAA
CCAGGATGTGGAAGAGGTGAGACTGATGTTCTTTGGACTTGGTTAGGAATCTGCTGAAAAGCACCAGCT
TTGCAAGATGGCCCTTTCACAATTCTTAGAATCTTTTGTGGGAGTGGTCTTTTTATGGAACAGAGG
GTCCAAATGGCAAAGCCAGGGTGGCCCTCCACCGCCTCCTTGCTGACGACCCTACATTGCCCTCAATTT
TGGATCTGGCCAAAGAAGCCCTGGCAAGGAGATGAAGCAATGGCCCAAGGCTATCCCCTGAGGTACAT
GCTCAAGTTATACCATCGTTTCGGCTGACCCGATGGCCATCCAAGGGAGAACCGCACGATTGGAGCGAAA
ATGGTGAAGCTGGTAAAGCCGTCGGCAACACAGTAAGGCCTCCCAGAGGTTCTGGCATGTACAGACC
TGGACTTCTCTAGCATCAAACCAGGTAGCGTACGAATAATCAGAGCCACTGTGGTTTACCGCCATCA
ACTTCATCTAGTTAATTACCATCTCTCCTGCCATGTGGAACTTGGGTTCTAAATGCCGACCAAGCAC
TTACCTTCTTCTAAATCGGGTTCCTCAAAGCCTTCTCCCATGTCTAAAGCCTGGACAGAGATAGATTA
CACATTGTATTACAGAGAAGCTCTGGAATCGCAAGGGACGGAGTGTCTTCGCCTCCGCTTCATGTGTCA
GCAGCAAAAAGGCAATGAGACTCGTGAGTTCGGTGGCATGGCATGACATCCTTGGATGTTGCCTCTTG
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TCCTTCTCAGGAACATGATGGGTCTGTAATAACCAGTGTCCCTCCATCCTTACAAGGTGAGCTCCAC
CAACTAGGCTGGGATCACTGGATCATTGCTCCTCGTCTCTATACCCCAAATTAAGTAAAGGAATCTGTA
CTCGGGTATTACCTATGGTCTCAATTCACCCAACCATGCCATCATTAGAGCCTTGTCAATGAAGTGTG
GAATCACAGTGTACCTCAGCCTTCTGTGTCCTTATAATTTCTTCTATGAGCATCCTCCTGATTGAG
ACCAACGGGAGTATCTTGTACAAGGAGTATGAGGGTATGATTGCCAGTCTGTACATGTAGATAATAGT
GAAGTTGTTGCTATCTCAGGTTTTCCAAGAAGCTATAGATGTTTTAAAGAAAAGTGTAAAGCTGGCAG
TGATCTACCCAACCTACAGATTCTGTTCTTATCTTTAAAAAATATATTGTGCTTATGCTTAAAAATATA
GAGCCCTTTGACTCTATAAAACAAAATGCTAGGATCCCATCTTAATATTTTTTAAAGTAATTTAAAAATA
CCATGAAATGGTTATCTTAAGCATTGTTTAAATCTCTCACCCATTTTTGAGCTCCTCAGCTTGTAAAAA
TGTTTCTGGTGTGGTATCCTAGCATGGATCAGTAGAAGTAACTAGCCCCAATACTGAGATAAGATGC
TTTCTGGAGATACATTATTACATCATTTTTATTGTGACTTTGGGAAAAAAATCAAGAAAATACTGGTCC
ATGGTAGAAGAACATATGGAGTCTGGAGTGACTTCATTCTGGGCTCACTTGATTGATGTGCCAGTTG
GGCTCTTCTGGGCTTAGGTCTCTGGGAGACAACCTTGCTGTTGGGAGGAAGTATAGAGCTTTTCTTGA
ACTAAATTATGTTACAGGATGATTTCTGTTTTTTTCCCTGTTTTTTTTGTTTTGGATTATTATTATTA
TTATTATTTTGTGCTGAGAATAAGCAAGTGTCTACCACTGTGCTGTATCCCCAGCCAGTTTATCTTCT
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AATCTAGAGCTCTACTTTAATCCCTGAGGGATGGGGCCAGAGGCTCCTCTGAGTTCTGTCTCAGACAGCA
CTACTAATAAACAGCTCTACTAAGGTAAGTAAAGAAGCCAGCATGTCTCAGTACCTGCCTAGCTA
TTGACTAGTTTTATCACATCTCTCTGGGATGGAACCTGATTTAGGGCATGGGCATGTGCTCATCATTGT
TCATTCCTATCTGTTCTTACATTTCCCATACATTAAGTAACTAGTTATTCTTCTCAACAGTTGATGCTCA
CAGGACTGAATATATGTGGATCTATTCCTTAGCATCATTTTGTACATATCTACTTAGAAATCAATTC
GGCTTTACTGTTCTTCTTCTCAGTATTCTCATGACAACCAAGTTTCAAGTGCCTGTCTCCTCCCATCTC
AAAGCACAGCATGGTTTCCCTTAAATGCTCTAGTATTACTGTCTTCACTGAGAAAAGTGGAGCTCCCT
TTGAACGCTTTACTTGGCTCATTGTCTTCTGAATAGCCAGAAGTAAAACCTAGGAAGTCTTTGATGAA
TACAAAAAGTTGACTTTTTTGTGTGTGAGACATGGAATACCCCTATTTATATTTGTATGTTTAT
GTATTTTCTTAATCTTAAAGAATAAATTTTCATAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_009757
Insert Size: 1179 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:	BC055363 , AAH55363
RefSeq Size:	3059 bp
RefSeq ORF:	1179 bp
Locus ID:	12155
UniProt ID:	Q9Z0L4
Cytogenetics:	X 2.81 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 subunits of a disulfide-linked homodimer, or alternatively, a heterodimer, with the related protein, growth differentiation factor 9 (GDF9). This protein plays a role in oocyte maturation and follicular development, through activation of granulosa cells. Female mice lacking a functional copy of this gene exhibit impaired fertility. [provided by RefSeq, Aug 2016]