

Product datasheet for **MC208193**

Bmp10 (NM_009756) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bmp10 (NM_009756) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bmp10
Synonyms:	b2b2711C; b2b2711Clo
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC208193 representing NM_009756
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGTCTCTGGTTCTGCCGCTGAGCGCCGTCTTCTGCCTGGTGGCTCACTCGGCTTCTGGCAGCCCCA
 TTATGGGCCTTGAGCAGTCGCCCCGGAAGAAGACATGCCCTTCTTTGATGATATCTTCACGGAGCAAGA
 TGGTATTGACTTCAACACACTGCTGCAGAGCATGAAGAACGAGTTTCTCAAGACGCTGAACCTGTGGAC
 ATTCCTGTGCAGGACACGGGCAGAGTGGATCCACCAGAGTACATGCTGGAGCTCTACAACAAATTCGCCA
 CAGACCGGACCTCCATGCCGTCTGCTAACATCATCCGGAGCTTCAAGAACGAAGATCTGTTTTCTCAACC
 AGTCACTTTTAATGGGCTCCGAAATATCCTCTCCTCTCAATGTGTCTATCCCTCACCATGAAGAGGTC
 GTCATGGCTGAAGTCCGGTTGTACACGCTGGTGCAGAGAGATCGCATGATGATGATGGCGTGGACCGTA
 AAATTACCATTTTTGAGGTAAGAGAGTGCAGACGGTAGCGAGGAGGAGAGGAGCATGCTGGTCTTAGT
 ATCAACAGAGATCTACGGAACCAACAGTGAAGTGGGAGACATTTGACGTCACAGATGCCACCAGACGTTGG
 CAAAAGTCAGGCCATCAACCCATCAGCTGGAGATCCACATAGAAAGCAGACAAAACCAAGCTGAGGACA
 CCGGAAGGGGACAACCTGGAAATAGATATGAGTGCCAAAATAAGCATGACCCCTTGTGGTTGTGTTTTTC
 TGATGACCAAAAGCAATGACAAGGAGCAGAAAGAAGAACTGAACGAATTGATCACCCATGAGCAGGATCTG
 GACCTGGACTCAGATGCTTTCTCAGTGGGCCGATGAAGAGGCTCTGCTGCAGATGAGGTGCAACATGA
 TTGATGATTCGTCGCTCGGATCAGGAGGAACGCCAAGGGGAACACTGTGAAGAAGACCCCACTATACAT
 CGACTTCAAGGAGATTGGGTGGGACTCCTGGATCATCGCTCCTCCTGGGTATGAAGCCTATGAGTGCCGG
 GGTGTGTGTAACCTCCTGGCGGAGCACCTCACACCTACAAAACACGCAATTATTCAGGCCTTGGTCC
 ACCTCAAGAATTCCAGAAAGCTTCAAAGCCTGCTGTGTGCCACGAAGCTGGATCCCATCTCCATCCT
 CTATTTAGATAAAGGTGTCGTCACCTACAAGTTTAAATATGAAGGGATGGCTGTGCTGAGTGTGGCTGT
 AGATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2238_d09.zip

Restriction Sites: SgfI-MluI

ACCN: NM_009756

Insert Size: 1266 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:	BC145983 , AAI45984
RefSeq Size:	1317 bp
RefSeq ORF:	1266 bp
Locus ID:	12154
UniProt ID:	Q9R229
Cytogenetics:	6 D1
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 the mature protein, which binds to the activin receptor-like kinase 1 (ALK1) and plays important roles in cardiovascular development including cardiomyocyte proliferation and regulation of heart size, closure of the ductus arteriosus, angiogenesis and ventricular trabeculation. Homozygous knockout mice for this gene exhibit impaired heart development and embryonic lethality. [provided by RefSeq, Aug 2016]