

## Product datasheet for **MC228068**

### **Bmpr1b (NM\_001277218) Mouse Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	Bmpr1b (NM_001277218) Mouse Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	Bmpr1b
<b>Synonyms:</b>	Acv; Acvrlk6; AI385617; AI; ALK-6; Alk6; AV355320; BMPR; BMPR-1B; BMPR-IB; CFK-43; CFK-43a; SKR6
<b>Vector:</b>	pCMV6-Entry (PS100001)
<b>E. coli Selection:</b>	Kanamycin (25 ug/mL)
<b>Cell Selection:</b>	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC228068 representing NM\_001277218  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTCTTACGAAGCTCTGGAAAATTAATGTGGGCACCAAGAAGGAGGATGGAGAGAGTACAGCCCCCA  
 CCCTCGGCCCAAGATCCTACGTTGTAATGCCACCACCACTGTCGGGAAGACTCAGTCAACAATATCTG  
 CAGCACAGATGGTACTGCTTACGATGATAGAAGAAGATGACTCTGGAATGCCTGTTGTACCTCTGGA  
 TGTCTAGGACTAGAAGGGTCAGATTTTCAATGTCGTGACACTCCCATTCTCATCAAAGAAGATCAATTG  
 AATGCTGCACAGAAAGGAATGAGTGAATAAAGACCTCCACCCACTCTGCCTCTCTCAAGGACAGAGA  
 TTTTGTGATGGGCCATACACCACAAGGCCTTGCTTATCTCTGTGACTGTCTGTAGTTTACTCTTGGTC  
 CTCATTATTTTATTCTGTACTTACAGGTATAAAGACAAGAAGCCCGACCTCGGTACAGCATTGGGCTGG  
 AGCAGGACGAGACATACATTCTCTGGAGAGTCCCTGAGAGACTTGATCGAGCAGTCTCAGAGCTCGGG  
 AAGTGGATCAGGCCTCCCTCTGCTGGTCCAAGGACAATAGCTAAGCAAATTCAGATGGTGAAGCAGATT  
 GGAAAAGGCCGCTATGGCGAGGTGGATGGGAAAGTGGCGTGGAGAAAAGGTGGCTGTGAAAGTGTCT  
 TACCACGGAGGAAGCCAGCTGGTTCGAGAGACTGAGATATATCAGACGGTCTGATGCGGCATGAGAA  
 TATTCTGGGGTTCATTGCTGCAGATATCAAAGGGACTGGGTCTGGACTCAGTTGTACCTCATCACAGAC  
 TATCATGAAAACGGCTCCCTTTATGACTATCTGAAATCCACCACCTTAGACGCAAAGTCCATGCTGAAGC  
 TAGCCTACTCCTCTGTCAGCGCCCTATGCCATTTACACACGGAATCTTTAGCACTCAAGGCAAGCCAGC  
 AATCGCCCATCGAGACTTGAAGTAAAAACATCTGGTGAAGAAAAATGGAAGTGTGATGATGAGCAGAC  
 CTGGGCTTGGCTGTCAAGTTCATTAGTGACACAAATGAGGTTGACATCCCACCAACACCCGGGTGGCA  
 CCAAGCGCTATATGCCTCCAGAAGTCTGGACGAGAGCTTGAATAGAAACCATTTCCAGTCTACATTAT  
 GGCTGACATGTACAGCTTTGGAAGTCACTCTCTGGGAGATTGCAAGGAGATGTGTTTCTGGAGGTATAGTG  
 GAAGAATACCAGCTTCCCTATCACGACCTGGTGGCCAGTGACCCTTCTTATGAGGACATGAGAGAAATTG  
 TGTGATGAAGAAGTTACGGCCTTCATTCACCAATCGATGGAGCAGTGTGAGTGTCTCAGGACAGTGGG  
 GAAGCTTATGACAGAGTCTGGGCGCAGAATCTGCCTCCAGGCTGACGGCCCTGAGAGTTAAGAAAACC  
 CTTGCCAAAATGTCAGAGTCCCAGGACATTAACCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001277218
- Insert Size:** 1509 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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:** [NM\\_001277218.1](#), [NP\\_001264147.1](#)

**RefSeq Size:** 5222 bp

**RefSeq ORF:** 1509 bp

**Locus ID:** 12167

**UniProt ID:** [P36898](#)

**Cytogenetics:** 3 H1

**Gene Summary:** This gene encodes a serine/threonine kinase that functions as a receptor for bone morphogenetic proteins (BMPs). The encoded protein is a type I receptor, and forms a complex of two type II and two type I receptors at the cell membrane. This complex signals downstream to activate SMAD transcriptional regulators. This signaling is important in skeletal and bone development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]