

Product datasheet for **MC228066**

Bmpr1b (NM_001277216) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bmpr1b (NM_001277216) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bmpr1b
Synonyms:	Acv; Acvrlk6; AI385617; AI; ALK-6; Alk6; AV355320; BMPR; BMPR-1B; BMPR-IB; CFK-43; CFK-43a; SKR6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228066 representing NM_001277216
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCTTACGAAGCTCTGGAAAATTAATGTGGGCACCAAGAAGGAGGATGGAGAGAGTACAGCCCCCA
 CCCTCGGCCAAGATCCTACGTTGTAATGCCACCACCACTGTCGGAAAGACTCAGTCAACAATATCTG
 CAGCACAGATGGGTACTGCTTACGATGATAGAAGAAGATGACTCTGGAATGCCTGTTGTACCTCTGGA
 TGTCTAGGACTAGAAGGGTCAGATTTTCAATGTCGTGACACTCCCATTCTCATCAAAGAAGATCAATTG
 AATGCTGCACAGAAAGGAATGAGTGAATAAAGACCTCCACCCACTCTGCCTCTCTCAAGGACAGAGA
 TTTTGTGATGGGCCATACACCACAAGGCCTTGCTTATCTGTGACTGTCTGTAGTTACTCTTGCTC
 CTCATTATTTTATTCTGTACTTACAGGTATAAAGACAAGAAGCCCGACCTCGGTACAGCATTGGGCTGG
 AGCAGGACGAGACATACATTCCTCTGGAGAGTCCCTGAGAGACTTGATCGAGCAGTCTCAGAGCTCGGG
 AAGTGGATCAGGCCTCCCTCTGCTGGTCCAAGGACAATAGCTAAGCAAATTCAGATGGTGAAGCAGATT
 GGAAAAGGCCGCTATGGCGAGGTGGATGGGAAAGTGGCGTGGAGAAAAGGTGGCTGTGAAAGTGTCT
 TACCACGGAGGAAGCCAGCTGGTTCGAGAGACTGAGATATATCAGACGGTCTGATGCGGCATGAGAA
 TATTCTGGGGTTCATTGCTGCAGATATCAAAGGGACTGGGTCTGGACTCAGTTGTACCTCATCACAGAC
 TATCATGAAAACGGCTCCCTTTATGACTATCTGAAATCCACCACCTTAGACGCAAAGTCCATGCTGAAGC
 TAGCCTACTCCTCTGTCAGCGCCCTATGCCATTTACACACGGAATCTTTAGCACTCAAGGCAAGCCAGC
 AATCGCCCATCGAGACTTGAAGTAAAAACATCTGGTGAAGAAAAATGGAAGTGTGATGATGAGCAGAC
 CTGGGCTTGGCTGTCAAGTTCATTAGTGACACAAATGAGGTTGACATCCCACCAACACCCGGGTGGCA
 CCAAGCGCTATATGCCTCCAGAAGTCTGGACGAGAGCTTGAATAGAAACCATTTCCAGTCTACATTAT
 GGCTGACATGTACAGCTTGGACTCATCCTCTGGGAGATTGCAAGGAGATGTGTTTCTGGAGGTATAGTG
 GAAGAATACCAGCTTCCCTATCACGACCTGGTGGCCAGTGACCCTTCTTATGAGGACATGAGAGAAATTG
 TGTGATGAAGAAGTTACGGCCTTCATTCACCAATCGATGGAGCAGTGTGAGTGTCTCAGGACAGTGGG
 GAAGCTTATGACAGAGTCTGGGCGCAGAATCCTGCCTCCAGGCTGACGGCCTGAGAGTTAAGAAAACC
 CTTGCCAAAATGTCAGAGTCCCAGGACATTAACCT**TGA**

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001277216
- 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_001277216.1](#), [NP_001264145.1](#)

RefSeq Size: 5183 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]