

Product datasheet for **MR230279**

Bmpr1b (NM_001277218) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR230279 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCTTACGAAGCTCTGGAAAATTAATGTGGGCACCAAGAAGGAGGATGGAGAGAGTACAGCCCCCA
 CCCTCGGCCAAGATCCTACGTTGTAATGCCACCACCACTGTCGGAAGACTCAGTCAACAATATCTG
 CAGCACAGATGGTACTGCTTACGATGATAGAAGAAGATGACTCTGGAATGCCTGTTGTACCTCTGGA
 TGTCTAGGACTAGAAGGGTCAGATTTTCAATGTCGTGACACTCCCATTCTCATCAAAGAAGATCAATTG
 AATGCTGCACAGAAAGGAATGAGTGAATAAAGACCTCCACCCACTCTGCCTCTCTCAAGGACAGAGA
 TTTTGTGATGGGCCATACACCACAAGGCCTTGCTTATCTCTGTGACTGTCTGTAGTTACTCTTGGTC
 CTCATTATTTTATTCTGTACTTACAGTATAAAGACAAGAAGCCCGACCTCGGTACAGCATTGGGCTGG
 AGCAGGACGAGACATACATTCCTCTGGAGAGTCCCTGAGAGACTTGATCGAGCAGTCTCAGAGCTCGG
 AAGTGGATCAGGCCTCCCTCTGCTGGTCCAAGGACAATAGCTAAGCAAATTCAGATGGTGAAGCAGATT
 GGAAAAGCCCGCTATGGCGAGGTGGATGGGAAAGTGGCGTGGAGAAAAGGTGGCTGTGAAAGTGTCT
 TACCACGGAGGAAGCCAGCTGGTTCGAGAGACTGAGATATATCAGACGGTCTGATGCCGCATGAGAA
 TATTCTGGGGTTCATTGCTGCAGATATCAAAGGACTGGGTCCTGGACTCAGTTGTACCTCATCACAGAC
 TATCATGAAAACGGCTCCCTTTATGACTATCTGAAATCCACCACCTTAGACGCAAAGTCCATGCTGAAGC
 TAGCCTACTCCTGTGACGCGCCTATGCCATTTACACACGGAATCTTTAGCACTCAAGGCAAGCCAGC
 AATCGCCCATCGAGACTTAAAAGTAAAAACATCCTGGTGAAGAAAAATGGAACCTGCTGCATAGCAGAC
 CTGGGCTTGGCTGTCAAGTTCATTAGTGACACAAATGAGGTTGACATCCCACCAACACCCGGGTTGGCA
 CCAAGCGCTATATGCCTCCAGAAGTCTGGACGAGAGCTTGAATAGAAACCATTTCCAGTCTACATTAT
 GGCTGACATGTACAGCTTTGGACTCATCCTCTGGGAGATTGCAAGGAGATGTGTTTCTGGAGGTATAGTG
 GAAGAATACCAGCTTCCCTATCACGACCTGGTGCCAGTGACCCTTCTTATGAGGACATGAGAGAAATTG
 TGTGCATGAAGAAGTTACGGCCTTCATTCCTCAATCGATGGAGCAGTGATGAGTGTCTCAGGAGATGGG
 GAAGCTTATGACAGAGTCTGGGCGCAGAATCCTGCCTCAGGCTGACGGCCTGAGAGTTAAGAAAACC
 CTTGCCAAAATGTCAGAGTCCCAGGACATTAAACTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230279 protein sequence
 Red=Cloning site Green=Tags(s)

MLLRSSGKLNVTGKEDGESTAPTPRPKILRCKHHCPEDSVNNICSTDGYCFMIEEDDSGMPVVTSG
 CLGLEGSDFQCRDTPIPHQRRIECCTERNECNKDLHPTLPPLKDRDFVDGPIHHKALLISVTVCSLLLV
 LIILFCYFRYKRQEARPRYSIGLEQDETYIPGESLRDLIEQSQSSGSGSGLPLLQRTIAKQIQMVKQI
 GKGRYGEVWMGKWRGEKVAVKVFFTTEEASWFRETEIYQTVLMRHENILGFIAADIKGTGSWTQLYLITD
 YHENGSLYDYLKSTTLDAKSMKLAYSSVSGLCHLHTEIFSTQGKPAIAHRDLKSKNILVKKNGTCCIA
 LGLAVKFI SDTNEVDIPPNTRVGKRYMPPEVLDESLNRNHFQSYIMADMYSFGLILWEIARRCVSGGIV
 EEYQLPHYDLVSPDSYEDMREIVCMKKLRPSFPNRWSSDECLRQMGKLMTECWAQNPASRLTALRVKKT
 LAKMSESDIKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

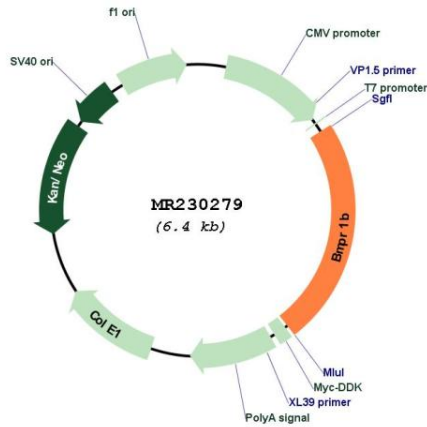
Restriction Sites:

SgfI-MluI

MW: 56.9 kDa

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]

Product images:



Circular map for MR230279