

## Product datasheet for **RR204400**

### **Bmpr1b (NM\_001024259) Rat Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Bmpr1b (NM_001024259) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bmpr1b
Synonyms:	CFK-43a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR204400 representing NM_001024259 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGTGAAGCAAATTGGAAAAGGTCGCTATGGCGAAGTGTGGATGGGAAAGTGGCGTGGAGAAAAGGTAG  
CTGTGAAAGTGTCTTACCACGGAGGAAGCCAGCTGGTCCGAGAGACTGAGATATATCAGACGGTCCT  
GATGAGGCACGAGAACATTCTGGGGTTCATTGCAGCAGATATCAAAGGGACTGGGTCTTGGACTCAGTTA  
TACCTCATCACAGACTATCATGAAAACGGTCTCTTTATGACTATCTGAAATCCACCACCTTAGATGCCA  
AGTCCATGCTGAAGCTAGCCTACTCGTCTGTCAGCGGCCTGTGCCATCTACACACGGAAATCTTCAGCAC  
TCAAGGCAAGCCAGCCATTGCCCATCGGGACTTAAAAAGTAAAAACATCCTGGTGAAGAAAAATGGAAC  
TGCTGCATAGCAGACCTGGGCCTGGCTGTCAAGTTCATTAGTGACACAAATGAGGTTGACATCCACCCA  
ACACCCGGGTTGGCACCAGCGCTATATGCCTCCAGAAGTGTGGACGAGAGCTTGAATAGAACTCATT  
CCAGTCTACATCATGGCTGACATGTACAGCTTGGACTCATCCTCTGGGAGATTGCAAGGAGATGTGT  
TCTGGAGGTATAGTGAAGAATACCAGCTTCCATATCACGACCTGGTCCCAAGTACCCTTCTTATGAGG  
ACATGAGAGAAAATTGTGTATGAAGAAGTTACGGCCTTCATCCCAATCGATGGAGCAGTGACGAGTG  
CCTCAGGCAAATGGGAAGCTTATGACAGAGTGTGGCGCATAATCCTGCCTCCAGGCTGACGGCCCTG  
AGAGTTAAGAAAACACTTGCCAAAATGTCAGAGTCCCAGGACATTAACCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR204400 representing NM\_001024259  
 Red=Cloning site Green=Tags(s)

MVKQIGKGRYGEVVMGKWRGEKVAVKVFFFTTEEASWFRETEIYQTVLMRHENILGFIAADIKGTGSWTQL  
 YLITDYHENGSLYDYLKSTTLDAKSMKLAYSSVSGLCHLHTEIFSTQGKPAIAHRDLKSKNILVKKNGT  
 CCIADLGLAVKFI SDTNEVDIPPNTRVGT KRYMPPEVLDESLNRTHFQSYIMADMYSFGLILWEIARRCV  
 SGGIVEEYQLPYHDLVPSDPSYEDMREIVCMKKLRPSPFNRWSSDECLRQMGKLMTECWAHNPPASRLTAL  
 RVKKT LAKMSESQDIKL

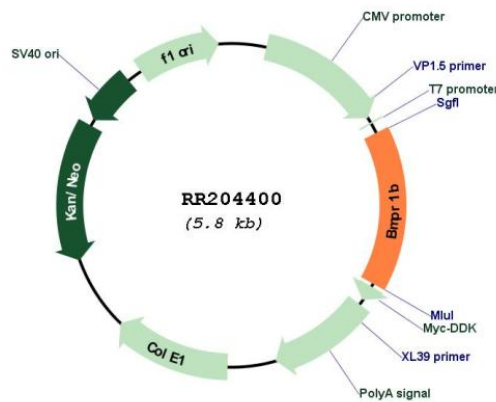
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001024259

**ORF Size:** 891 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](mailto: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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001024259.1](#), [NP\\_001019430.1](#)

**RefSeq Size:** 1529 bp

**RefSeq ORF:** 894 bp

**Locus ID:** 310914

**Cytogenetics:** 2q44

**MW:** 34 kDa