

Product datasheet for RN217433

Bmpr2 (NM_080407) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bmpr2 (NM_080407) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Bmpr2
Synonyms:	Bmpr-II
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217433 representing NM_080407 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTCCTCGCTGCAGCGGCCCTTTCGGGTGCCCTGGCTGTTATGGGCCGCTCCTGGTGCAGCACTA
CGGCTGCTTCCCAGAATCAAGAACGGCTGTGTGCATTTAAAGACCCGATCAACAAGACCTTGGGATTGG
TGAGAGTCGAATCTCTCATGAAAATGGGACAATATTATGCTCAAAGGGAGCACATGTTATGGTCTGTGG
GAGAAATCAAAGGGGACATCAATCTTGTGAAACAAGGGTCTGGTCTCACATTGGTATCCCAAGAGT
GCCACTATGAAGAATGTGTAGTAACACCACCCACCCTCAATTCAGAATGGAACATACCGTTTTTGCTG
CTGTAGTACAGACTTATGTAACGTCAACTTCACGAGAATTCACCTCCTGATACAACACCACCTCAGT
CCGCCTCATTCTAATCGGGATGAACTATAATCATTGCTTTGGCATCGGTTTCTGTATTAGCTGTTT
TGATAGTCGCCTTATGTTTTGGATACAGAATGTTGACAGGAGACAGGAAACAGGGTCTACACAGTGTGAG
CATGATGGAGGCGGCAGCGGCAGAGCCCTCCCTGGACTTGGATAACCTGAAGCTGCTGGAGCTGATTGGA
CGGGGTCGATATGGAGCAGTATAAAAGGTTCCCTGGATGAGCGTCCAGTTGCTGTAAGTATTTTCTT
TTGCAAACCGTCAGAATTTATAAATGAAAAAACATTTACAGAGTGCCTTTGATGGAACATGACAACAT
TGCTCGCTTTATAGTTGGAGACGAGAGGCTCACTGCAGATGGACGCATGGAGTATTTGCTGTGATGGAG
TATTATCCAATGGATCTCTGTGCAAAATCTGAGTCTCCATAACAAGTATTGGTAAGCTTTGCCGTC
TGGCTCATTCTGTGACAAGAGGACTGGCTTATCTTCACACAGAATTACCCGAGGAGATCATTACAACC
TGCAATTTCCCATCGAGATTTAAACAGCAGAAATGTCCTGGTAAAGAATGGTGGCACGTGTGTTATCAGT
GACTTTGGTCTGTCCATGAGGCTAACTGAAACAGGCTGGTGCGCCAGGGGAAGAAGATAACCGCGGCTA
TAAGTGAGGTTGGCACAATCCGCTATAATGGCACCAGAAGTCTAGAAGGAGCTGTGAACCTGAGGGACTG
TGAGTCAGCACTGAAGCAAGTGGACATGTATGCGCTTGGACTGATCTACTGGGAGGTGTTTATGAGGTGC
ACAGACCTCTCCAGGTGAATCTGTACCAGATTACCAGATGGCTTTTCAGACAGAAGTTGGAACCATC
CCACATTTGAGGATATGCAGGTTCTTGTGTCAAGAGAAAAGCAGAGACCCAAGTTCCAGAAGCCTGGAA
AGAAAATAGCCTGGCAGTGAGGTCCTCAAAGAAACAATCGAAGACTGCTGGGACCAGGATGCAGAGGCT



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CGGCTCACTGCACAGTGTGCTGAGGAGAGAATGGCTGAACTCATGATGATATGGGAGAGAAAACAAGTCTG
TGAGCCCAACGGTCAACCCAATGTCGACTGCTATGCAGAACGAACGCAACCTATCACATAATAGGCGTGT
GCCAAAAATCGGGCCTTACCCAGATTATTCCTCTTCTCATATATTGAAGACTCAATTCACACTGAC
AGCATTGTGAAAAATATTTCTCTGAGCATTCAATGTCCAGCACACCGTTGACAATAGGAGAAAAGAACC
GAAACTCAATTAATTATGAACGACAGCAAGCACAAGCTCGAATCCCTAGCCCAGAAAACAAGCGTCACAAG
CCTGTCCACAAAACAACCACCACAAAACACCTCTGGCCTCACTCCAAGTACTGGCATTGACCACGATATCT
GAGATGCCATACCCAGATGAGACACATTTGCATGCCACAATGTTGCACAGTCACTCGGGCCAACCCCTG
TCTGCTTACAGCTGACAGAAGAAGACTTGGAACTAATAAGCTAGACCCAAAAGAAGTTGATAAGAACCT
CAAGGAAAAGCTCTGATGAGAATCTCATGGAGCATTCTCTGAAGCAGTTCAAGTGGGCCAGACCCGTTGAGC
AGTACCAGTTCAGCTTGCTTTATCCACTCATAAAGCTTGCGGTGGAAGTGAAGTGGACAACAGGACTTCA
CACAGGCTGCAAATGGGCAAGCATGTTAATTCCTGATGTCCCACCTGCTCAGCTCTATCCTCTCCCTAA
GCAACAGAACCTTCCGAAGAGACCTACTAGTTGCCTTTGAACACCAAAAATTCAACTAAGAACCCCGG
CTAAAAATTTGGCAACAAGCACAATCAAACCTGAAACAAGTAGAACTGGAGTTGCCAAGATGAATACAA
TCAATGCAGCAGAGCCTCATGTGGTGACAGTAACTATGAATGGTGTGGCAGGTAGAAGCCACAATGTTAA
TTCCCATGCTGCCACAACCCAGTATGCCAATGGGGTAGTCCATCTGGCCAGGCAGCCAACATAGTGGCA
CATAGGGCCCAAGAAATGCTGCAGAATCAATTTAATGGTGAGGATACCAGACTGAATATCAATTCAGTC
CTGATGAACATGAACCTTACTGAGACGAGAGCAGCAGGCTGGCCATGATGAAGGGTTCTGGATCGTTT
GGTAGACAGGAGGGAACGGCCATTAGAAGTGGCCGAACTAATCCAATAACAACAACAGCAATCCATGT
TCAGAACAAGATGTCCCTACACAAGGTGTTACAAGCACAGCTGCAGACCTGGGCCAGCAAAGCCAGAA
GAGCACAGAGGCCAATCTCTGGATCTTTCAGCCACAATATCCTGGATGGCAGCAGCATGCAGATAGG
TGAGTCAACGCAGGATGGCAAATCAGGATCAGGCGAAAAGATCAAGAGACGTGTGAAAATCCATACTCT
CTTAAGCGGTGGCGCCATCCACCTGGGTATCTCCACCGAGCCACTGGACTGTGAGGTCAACAACAATG
GCAGTGACAGGGCAGTCCATTCTAAATCTAGCACTGCTGTGTACCTCGCAGAGGGAGGCACTGCCACAAC
CATGGTGTCTAAAGATATAGGAATGAATTGTCTGTGA

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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3398_b07.zip

Restriction Sites: SgfI-MluI

ACCN: NM_080407

Insert Size: 3117 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.

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:	<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:	<u>NM_080407.1</u> , <u>NP_536332.1</u>
RefSeq Size:	3869 bp
RefSeq ORF:	3117 bp
Locus ID:	140590
Cytogenetics:	9q31
Gene Summary:	human homolog is a receptor for bone morphogenetic proteins and plays a role in bone development [RGD, Feb 2006]