

Product datasheet for **MG208067**

Bmpr1b (NM_007560) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bmpr1b (NM_007560) Mouse Tagged ORF Clone
Tag:	TurboGFP
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-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG208067 representing NM_007560
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCTTACGAAGCTCTGGAAAATTAATGTGGCACCAGAAGGAGGATGGAGAGAGTACAGCCCCCA
 CCCTCGGCCAAGATCCTACGTTGTAATGCCACCACCACTGTCGGAAGACTCAGTCAACAATATCTG
 CAGCACAGATGGTACTGCTTACGATGATAGAAGAAGATGACTCTGGAATGCCTGTTGTACCTCTGGA
 TGTCTAGGACTAGAAGGGTCAGATTTTCAATGTCGTGACACTCCCATTCTCATCAAAGAAGATCAATTG
 AATGCTGCACAGAAAGGAATGAGTGAATAAAGACCTCCACCCACTCTGCCTCTCTCAAGGACAGAGA
 TTTTGTGATGGGCCATACACCACAAGGCCTTGCTTATCTCTGTGACTGTCTGTAGTTTACTCTTGGTC
 CTCATTATTTTATTCTGTACTTACAGGTATAAAGACAAGAAGCCCGACCTCGGTACAGCATTGGGCTGG
 AGCAGGACGAGACATACATTCTCCTGGAGAGTCCCTGAGAGACTTGATCGAGCAGTCTCAGAGCTCGGG
 AAGTGGATCAGGCCTCCCTCTGCTGGTCCAAGGACAATAGCTAAGCAAATTCAGATGGTGAAGCAGATT
 GGAAAAGGCCGCTATGGCGAGGTGGATGGGAAAGTGGCGTGGAGAAAAGGTGGCTGTGAAAGTGTCT
 TACCACGGAGGAAGCCAGCTGGTTCGAGAGACTGAGATATATCAGACGGTCTGATGCCGCATGAGAA
 TATTCTGGGGTTCATTGCTGCAGATATCAAAGGGACTGGGTCCTGGACTCAGTTGTACCTCATCACAGAC
 TATCATGAAAACGGCTCCCTTTATGACTATCTGAAATCCACCACCTTAGACGCAAAGTCCATGCTGAAGC
 TAGCCTACTCCTCTGTCAGCGCCCTATGCCATTTACACACGAAATCTTTAGCACTCAAGGCAAGCCAGC
 AATCGCCCATCGAGACTTGAAGTAAAAACATCTGGTGAAGAAAAATGGAAGTGTGTCATAGCAGAC
 CTGGGCTTGGCTGTCAAGTTCATTAGTGACACAAATGAGGTTGACATCCCACCAACACCCGGTGGCA
 CCAAGCGCTATATGCCTCCAGAAGTCTGGCAGAGACTTGAATAGAAACCATTTCCAGTCTACATTAT
 GGCTGACATGTACAGCTTTGACTCATCTCTGGGAGATTGCAAGGAGATGTGTTTCTGGAGGTATAGTG
 GAAGAATACCAGCTTCCCTATCACGACCTGGTGCCAGTGACCCTTCTTATGAGGACATGAGAGAAATTG
 TGTGCATGAAGAAGTTACGGCCTTCATCCCAATCGATGGAGCAGTGATGAGTGTCTCAGGACAGTGGG
 GAAGCTTATGACAGAGTCTGGGCGCAGAATCCTGCCTCCAGGCTGACGGCCTGAGAGTTAAGAAAACC
 CTTGCCAAAATGTCAGAGTCCCAGGACATTAAACTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208067 representing NM_007560
 Red=Cloning site Green=Tags(s)

MLLRSSGKLVNVTGKEDGESTAPTRPKILRCKHHHPEDSVNNICSTDGYCFMTIEEDDSGMPVVTSG
 CLGLEGSDFQCRDTPIPHQRRESIECCTERNECNKDLHPTLPPLKDRDFVDGPIHHKALLISVTVCSLLL
 LIILFCYFRYKRQEARPRYSIGLEQDETYIPPGESLRDLIEQSQSSGSGSGLPLLVQRTIAKQIQMKQI
 GKGRYGEVWMGKWRGEKVAVKVFFTTEEASWFRETEIYQTVLMRHENILGFIAADIKGTGSWTQLYLITD
 YHENGSLYDYLKSTLLDAKSMKLAYSSVSGLCHLHTEIFSTQGKPAIAHRDLKSKNILVKKNGTCCIA
 LGLAVKFISDTNEVDIPPNTRVGTRKRYMPPEVLDESLNRNHFQSYIMADMYSFGLILWEIARRCVSGGIV
 EEYQLPYHDLVPSDPSYEDMREIVCMKKLRPSFPNRWSSDECLRQMGKLMTECWAQNPASRLTALRVKKT
 LAKMSESQDIKL

TRTRPLE - GFP Tag - V

Restriction Sites:

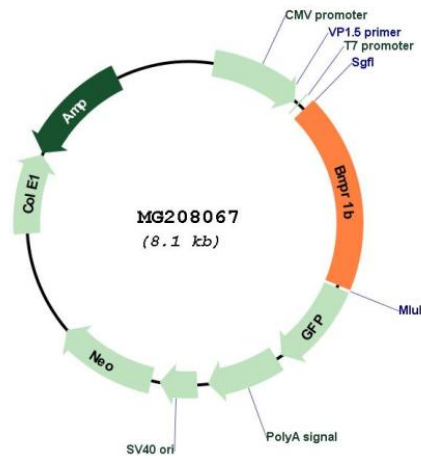
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_007560
ORF Size:	1506 bp
OTI Disclaimer:	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:	<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:	NM_007560.4 , NP_031586.1
RefSeq Size:	5363 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]