

Product datasheet for **RR205336**

Bmi1 (NM_001107368) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bmi1 (NM_001107368) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bmi1
Synonyms: Pcgf4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR205336 representing NM_001107368
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCATCGAACAAACCAGAATCAAGATCACTGAGCTAAATCCCCACCTAATGTGTGTCTGTGTGGAGGGT
 ACTTCATTGATGCCACTACCATAATAGAATGTCTACATTCCTTCTGTAAAACATGTATTGTGCGTACTT
 GGAGACCAGCAAGTATTGTCTATTTGTGATGTCCAAGTTCACAAAACCTCGACCACTACTGAATATAAGG
 TCAGACAAAACCTTTCAAGATATTGTATACAAATTAGTCCAGGGCTTTTCAAAAATGAGATGAAGAGGA
 GAAGAGACTTCTATGCAGCTCACCTTCAGCAGATGCTGCCAATGGCTCCAATGAAGACAGAGGAGAAGT
 TGCAGATGAGGACCGGCCGGTACATAGCTGACGATGAGATTATAAGCTTGTCTATCGAGTTCTCCACCCA
 AGCAGGTCGGATCGGAAAAGTAACTAAAGAGAAGCCAAAGGAGGAGGTGAATGATAAAAAGGTACTTGCAT
 GCCCAGCAGCACTGACGGTGATGCACTTGAGAAAGTTCCTCAGGAGTAAAATGGACATACCTAATACTTT
 CCAGATTGACGTTATGTATGAAGAGGAGCCTTTAAAGGACTACTACACGCTCATGGACATTGCTACATT
 TACACCTGGAGACGGAATGGCCCACTGCCTTTGAAATACCGAGTTCGGCCAACCTTGCAAAAAGATGAAGA
 TGAGTCAGCAGAGAGATGGACTGACCGCGGCTGGAGAGCTGGAGAGTGACTCTGGGAGCGACAAGGCCAA
 CAGCCCAGCGGGAGGTGCTCCCTCCACCTCTTCTGCTTGCCAGCCCCAGCACTCCAGTGCAGTCTCCT
 CACCCACAGTTCCTCACATTTCCAGTACCATGAATGGAACAGCAACAGCCCCAGCGGTAATCACC
 CCAATCTTCCTTGGCAGTAGACCTCGGAAATCATCAGTAAATGGGTATCAGCAACTTCGTCTGGT

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205336 representing NM_001107368
Red=Cloning site Green=Tags(s)

MHRTRRIKITELNPHLMCVLCGGYFIDATTIIECLHSFCKTCIVRYLETISKYCPICDVQVHKTRPLLNIR
 SDKTLQDIVYKLVPLFKNEMKRRRDFYAAHPSADAANGSNEDRGEVAEDRRVIADDEIISLSIEFFHP
 SRSDRKVTKKPKKEEVNDKRYLRCPAAL TVMHLRKFLRSKMDIPNTFQIDVMYEEELKDYITLMDIAYI
 YTWRRNGPLPLKYRVRPTCKRMKMSQQRDGLTAAGELESDSGSDKANSPAGGAPSTSSCLPSPSTPVQSP
 HPQFPHISSTMNGTSNPSGNHQSSFASRPRKSSVNGSSATSSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2313_e10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001107368

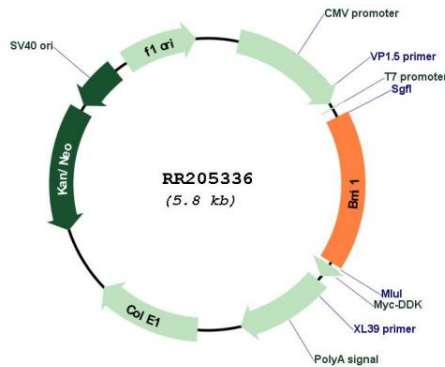
ORF Size: 972 bp

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.

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_001107368.2](#), [NP_001100838.1](#)
- RefSeq Size:** 1222 bp
- RefSeq ORF:** 975 bp
- Locus ID:** 307151
- Cytogenetics:** 17q12.3
- MW:** 37 kDa

Product images:



Circular map for RR205336