

Product datasheet for **RC234194**

Bmi1 (COMMD3-BMI1) (NM_001204062) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bmi1 (COMMD3-BMI1) (NM_001204062) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bmi1
Synonyms:	BMI1; PCGF4; RNF51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234194 representing NM_001204062
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCTCTCGGAGTCTGTGCAGAAAGGCTTCCAGATGCTGGCGGATCCCCGCTCTTCGACTCCAACG
 CCTTCACGCTTCTCCTCCGGGCGCATTCCAGAGTCTGCTGGACGCCAGGCGGACGAGGCCGTGTAGA
 TCATCCAGACTTGAAACATATCGACCCAGTGGTTTTAAAACATTGTCATGCAGCAGCTGCAACTTACATA
 CTAGAGGCAGGAAAGCACCGAGCTGACAAGTCAACTCTAAGCACTTATCTAGAAGACTGTAAATTTGACA
 GAGAGCGAATAGAAGTGTTCACGGAATATCAGAATAAAGAATTCCTAGAAATCCTACTGGGAAG
 AACACTGATCCCATCCTATCCAGAGATTAGTTTTAGTTGCAGCATGGAACAATTACAGGATTTTTTAT
 CAAGCAGAAATGCATCGAACAACGAGAATCAAGATCACTGAGCTAAATCCCACCTGATGTGTGTCTTT
 GTGGAGGGTACTTCATTGATGCCACAACCATAATAGAATGTCTACATTCCTTCTGTAAAACGTGTATTGT
 TCGTTACCTGGAGACCAGCAAGTATTGCCTATTTGTGATGTCCAAGTTCACAAGACCAGACCCTACTG
 AATATAAGGTGAGATAAACTCTCCAAGATATTGTATACAAATTAGTTCAGGGCTTTTCAAAAATGAAA
 TGAAGAGAAGAAGGGATTTTTATGCAGCTCATCCTTCTGCTGATGCTGCAATGGCTCTAATGAAGATAG
 AGGAGAGGTTGCAGATGAAGATAAGAGAATTATAACTGATGATGAGATAAAGCTTATCCATTGAATTC
 TTTGACCAGAACAGATTGGATCGGAAAGTAAACAAAGCAAAGAGAAATCTAAGGAGGAGGTGAATGATA
 AAAGATACTTACGATGCCAGCAGCAATGACTGTGATGCCTTAAGAAAGTTTCTCAGAAGTAAATGGA
 CATACCTAATACTTTCCAGATTGATGTCATGTATGAGGAGGAACCTTTAAAGGATTATTACACTAATG
 GATATTGCCTACATTTACCTGGAGAAGGAATGGTCCACTTCCATTGAAATACAGAGTTCGACCTACTT
 GTAAAAGAATGAAGATCAGTCACCAGAGATGGACTGACAAATGCTGGAGAAGTGGAAAGTCACTGG
 GAGTGACAAGGCCAACAGCCAGCAGGAGGATTCCTCCACCTCTTCTGTTTGCCTAGCCCCAGTACT
 CCAAGTGCAGTCTCCTCATCCACAGTTTCTCACATTTCCAGTACTATGAATGGAACCAGCAACAGCCCCA
 GCGGTAACCACCAATCTTCTTTTCCAATAGACCTCGAAAATCATCAGTAAATGGGTCATCAGCAACTTC
 TTCTGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234194 representing NM_001204062
 Red=Cloning site Green=Tags(s)

MELSESVQKGFQMLADPRSFDSNAFTLLLRAAFQSLLDQAQAEAVLDHPDLKHIDPVVLKHCHAAAATYI
 LEAGKHRADKSTLSTYLEDCKFDRERIELFCTEYQNNKNSLEILLGRTLIPHPIQRLVLAAWNRYRIFY
 QAEMHRTTRIKITELNPHLMCVLCGGYFIDATTIECLHSFCKTCIVRYLETISKYCPICDVQVHKTRPLL
 NIRSDKTLQDIVYKLVPLGFKNEMKRRRDFYAAHPSADAANGSNEDRGEVADEDKRIITDDEIISLSIEF
 FDQNRLLDRKVNKDKEKSKEEVNDKRYLRCPAAMTVMHLRKLRSKMDIPNTFQIDVMYEEELKDYITLM
 DIAIYITWRRNGPLPLKYRVRPTCKRMKISHQRDGLTNAGELESDSGSKANSPAGGIPSTSSCLPSPST
 PVQSPHPQFPHISSMTMNGTSNSPSGNHQSSFANRPRKSSVNGSSATSSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001204062

ORF Size: 1407 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:

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_001204062.1](#), [NP_001190991.1](#)

RefSeq Size: 3388 bp

RefSeq ORF: 1410 bp

Locus ID: 100532731

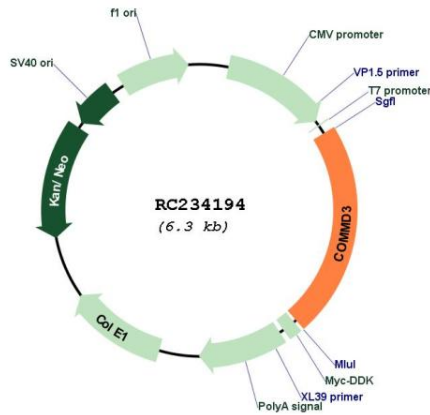
UniProt ID: [P35226](#)

Cytogenetics: 10p12.2

MW: 53.7 kDa

Gene Summary: This locus represents naturally occurring read-through transcription between the neighboring COMM domain-containing protein 3 and polycomb complex protein BMI-1 genes on chromosome 10. The read-through transcript produces a fusion protein that shares sequence identity with each individual gene product. [provided by RefSeq, Feb 2011]

Product images:



Circular map for RC234194