

Product datasheet for **RG234194**

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:	TurboGFP
Symbol:	Bmi1
Synonyms:	BMI1; PCGF4; RNF51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234194 representing NM_001204062
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTCTCGGAGTCTGTGCAGAAAGGCTTCCAGATGCTGGCGGATCCCCGCTCTTCGACTCCAACG
 CCTTCACGCTTCTCTCCGGGCGCATTCCAGAGTCTGCTGGACGCCAGGCGGACGAGGCCGTGTAGA
 TCATCCAGACTTGAAACATATCGACCCAGTGGTTTTAAAACATTGTCATGCAGCAGCTGCAACTTACATA
 CTAGAGGCAGGAAAGCACCGAGCTGACAAGTCAACTCTAAGCACTTATCTAGAAGACTGTAAATTTGACA
 GAGAGCGAATAGAAGTGTTCACGGAATATCAGAATAAAGAATCCCTAGAAATCCTACTGGGAAG
 AACACTGATCCCATCCTATCCAGAGATTAGTTTTAGTTGCAGCATGGAACAATTACAGGATTTTTTAT
 CAAGCAGAAATGCATCGAACAACGAGAATCAAGATCACTGAGCTAAATCCCACCTGATGTGTGTCTTT
 GTGGAGGGTACTTCATTGATGCCACAACCATAATAGAATGTCTACATTCCTTCTGTAACACGTGTATTGT
 TCGTTACCTGGAGACCAGCAAGTATTGCCTATTTGTGATGTCCAAGTTCACAAGACCAGACCCTACTG
 AATATAAGGTGAGATAAACTCTCCAAGATATTGTATACAAATTAGTCCAGGGCTTTTCAAAAATGAAA
 TGAAGAGAAGAAGGGATTTTTATGCAGCTCATCCTTCTGCTGATGCTGCCAATGGCTCTAATGAAGATAG
 AGGAGAGGTTGCAGATGAAGATAAGAGAATTATAACTGATGATGAGATAAAGCTTATCCATTGAATTC
 TTTGACCAGAACAGATTGGATCGGAAAGTAAACAAAGCAAAAGAGAAATCTAAGGAGGAGGTGAATGATA
 AAAGATACTTACGATGCCAGCAGCAATGACTGTGATGCACCTTAAGAAAGTTTCTCAGAAGTAAATGGA
 CATACTAATACTTTCCAGATTGATGTCATGTATGAGGAGGAACCTTTAAAGGATTATTACACATAATG
 GATATTGCCTACATTTACCTGGAGAAGGAATGGTCCACTTCCATTGAAATACAGAGTTCGACCTACTT
 GTAAAAGAATGAAGATCAGTCACCAGAGAGATGGACTGACAAATGCTGGAGAAGTGGAAAGTCACTGG
 GAGTGACAAGGCCAACAGCCAGCAGGAGGATTCCCTCCACCTTCTTGTGTTTGCCTAGCCCCAGTACT
 CCAAGTGCAGTCTCCTCATCCACAGTTTCTCACATTTCCAGTACTATGAATGGAACCAGCAACAGCCCCA
 GCGGTAACCACCAATCTTCTTTTCCAATAGACCTCGAAAATCATCAGTAAATGGGTCATCAGCAACTTC
 TTCTGGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234194 representing NM_001204062
 Red=Cloning site Green=Tags(s)

MELSESVQKGFQMLADPRSFDSNAFTLLLRAAFQSLLDQAQAEAVLDHPDLKHIDPVVLKHCHAAAATYI
 LEAGKHRADKSTLSTYLEDCKFDRERIELFCTEYQNNKNSLEILLGRTLIPHPHQRLVLAANNRYRIFY
 QAEMHRTTRIKITELNPHLMCVLCGGYFIDATTIECLHSFCKTCIVRYLETISKYCPICDVVHKTRPLL
 NIRSDKTLQDIVYKLVPLFKNEMKRRRDFYAAHPSADAANGSNEDRGEVADEDKRIITDDEIISLSIEF
 FDQNRLDRKVNKDKEKSKEEVNDKRYLRCPAAMTVMHLRKFRLRSKMDIPNTFQIDVMYEEEPKDYITLM
 DIAYIYTWRNGPLPLKYRVRPTCKRMKISHQRDGLTNAGELESDSGSDKANSPAGGIPSTSSCLPSPST
 PVQSPHPQFPHISSMTMNGTSNSPSGNHQSSFANRPRKSSVNGSSATSSG

TRTRPLE – GFP Tag – V

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

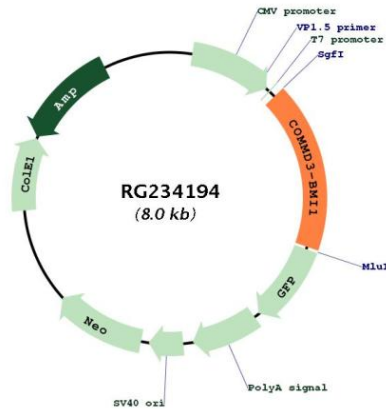
Locus ID: 100532731

UniProt ID: [P35226](#)

Cytogenetics: 10p12.2

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 RG234194