

## Product datasheet for **RC228492**

### **c-Myb (MYB) (NM\_001161659) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	c-Myb (MYB) (NM_001161659) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	c-Myb
Synonyms:	c-myb; c-myb_CDS; Cmyb; efg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC228492 representing NM\_001161659  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCCCAAGACCCCGGCACAGCATATATAGCAGTGACGAGGATGATGAGGACTTTGAGATGTGTGACC  
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 GGATGAAAAAAGTGAAGAAGCTGGTGAACAGAATGGAACAGATGACTGGAAGATTATTGCCAATTATCTC  
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 CTTGGACCAAAGAAGAAGATCAGAGAGTGATAGAGCTTGTACAGAAAACGGTCCGAAACGTTGGTCTGT  
 TATTGCCAAGCACTTAAAGGGGAGAATTGGAAAACAATGTAGGGAGAGGTGGCATAACCCTTGAATCCA  
 GAAGTTAAGAAAACCTCCTGGACAGAAGAGGAAGACAGAATTATTTACCAGGCACACAAGAGACTGGGGA  
 ACAGATGGGCAGAAATCGCAAAGCTACTGCCTGGACGAACTGATAATGCTATCAAGAACCCTGGAATTC  
 TACAATGCGTCGGAAGGTGCAACAGGAAGTTATCTGCAGGAGTCTTCAAAGCCAGCCAGCCAGCAGTG  
 GCCACAAGCTTCCAGAAGAACAGTCATTTGATGGGTTTTGCTCAGGCTCCGCCTACAGCTCAACTCCCTG  
 CCACTGGCCAGCCACTGTTAACACGACTATTCTATTACCACATTTCTGAAGCACAAAATGTCTCCAG  
 TCATGTTCCATACCCTGTAGCGTTACATGTAATATAGTCAATGTCCCTCAGCCAGCTGCCCGAGCCATT  
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 CAACCGAGAATGAGCTAAAAGGACAGCAGGTGCTACCAACACAGAACCACACATGCAGCTACCCCGGGTG  
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 CACCATCCACTCCATCTCTGCCAGCGGATCCTGGTCCCTACCTGAAGAAAAGCGCTCGCCAGCAAGGT  
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 AGTTTCAAGAAAATGGACCACCCTTACTGAAGAAAATCAAACAAGAGAATATTCTTACAAGCTCCGTTTT  
 AATGGCACCAGCATCAGAAGATGAAGACAATGTTCTCAAAGCATTACAGTACCTAAAAACAGGTCCCTG  
 GCGAGCCCCTTGAGCCTTGTAGCAGTACCTGGGAACCTGCATCTGTGGAAGATGGAGGAGCAGATGA  
 CATCTCCAGTCAAGCTCGTAAATACGTGAATGCATTCTCAGCCCGGACGCTGGTCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC228492 representing NM\_001161659  
 Red=Cloning site Green=Tags(s)

MARRRPHSIYSSDEDDDFEMCDHDYDGLLPKSGKRHLGKTRWTRREDEKLKLVQNGTDDWKVIANYL  
 PNRTDVQCQHRWQKVLNPELIKGPWTKEEDQRVIELVQKYGPKRWSVIAKHLKGRIGKQCRERWHNHLNP  
 EVKKTSTWTEEDRIIYQAHKRLGNRWAEIAKLLPGRDINAIKNHWNSTMRRKVEQEGYLQESSKASQPAV  
 ATSFQKNSHLMGFAQPPTAQLPATGQPTVNNDSYYHISEAQNVSSHVPYPVALHVNIVNVPQAAAAI  
 QRHYNDEDPEKEKRIKELELLLMSTENELKGQQLPTQNHTCSYPGWSTTIADHTRPHGDSAPVSLGE  
 HHSTPSLPADPGSLPEESASPARCMIVHQGTILDNVKNLLEFAETLQFIDSFLNTSSNHENSLEMPSLT  
 STPLIGHKLTVTTPFHRDQTVKTKQENTVFRTPAIKRSILESSPRTPTPFKHALAAQEIYKGLKMLPQT  
 PSHLVEDLQDVIKQESDESIVAEFQENGPPLKIKQENILTSSVLMAPASEDEDNVLKAFTVPKNRSL  
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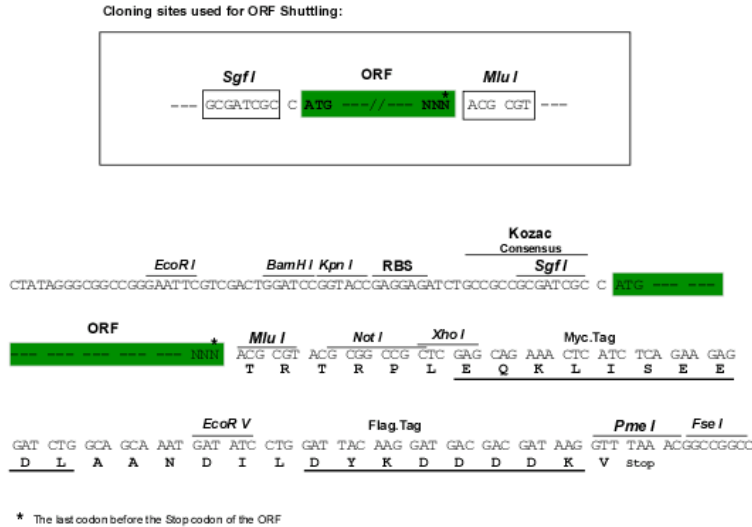
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8069\\_c12.zip](https://cdn.origene.com/chromatograms/mk8069_c12.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001161659

ORF Size: 1809 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\\_001161659.2](#)

RefSeq ORF: 1812 bp

Locus ID: 4602

UniProt ID: [P10242](#)

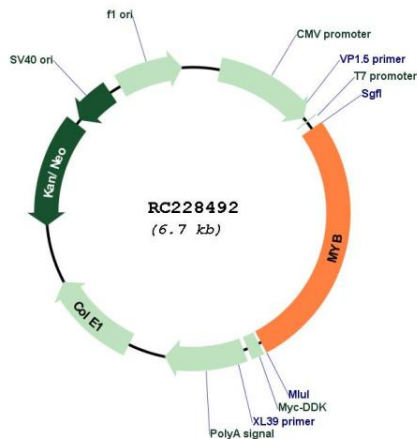
**Cytogenetics:** 6q23.3

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transcription Factors

**MW:** 68.1 kDa

**Gene Summary:** This gene encodes a protein with three HTH DNA-binding domains that functions as a transcription regulator. This protein plays an essential role in the regulation of hematopoiesis. This gene may be aberrantly expressed or rearranged or undergo translocation in leukemias and lymphomas, and is considered to be an oncogene. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

**Product images:**



Circular map for RC228492