

Product datasheet for **RC226149**

c-Myb (MYB) (NM_001130173) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	c-Myb (MYB) (NM_001130173) 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:

>RC226149 representing NM_001130173
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCCCCGAAGACCCCGGCACAGCATATATAGCAGTGACGAGGATGATGAGGACTTTGAGATGTGTGACC
ATGACTATGATGGGCTGCTTCCCAAGTCTGAAAAGCGTCACTTGGGGAAAACAAGGTGGACCCGGGAAGA
GGATGAAAAAAGTGAAGAAGCTGGTGAACAGAATGGAACAGATGACTGGAAGATTATTGCCAATTATCTC
CCGAATCGAACAGATGTGCACTGCCAGCACCGATGGCAGAAAAGTAAACCCTGAGCTCATCAAGGGTC
CTTGGACCAAAGAAGAAGATCAGAGAGTGATAGAGCTTGTACAGAAATACGGTCCGAAACGTTGGTCTGT
TATTGCCAAGCACTTAAAGGGGAGAATTGGAACAATGTAGGGAGAGGTGGCATAACCCTTGAATCCA
GAAGTTAAGAAAACCTCCTGGACAGAAGAGGAAGACAGAATTATTTACCAGGCACACAAGAGACTGGGGA
ACAGATGGGCAGAAATCGCAAAGCTACTGCCTGGACGAACTGATAATGCTATCAAGAACCCTGGAATTC
TACAATGCGTCGGAAGGTGCAACAGGAAGTTATCTGCAGGAGTCTTCAAAGCCAGCCAGCCAGCAGTG
GCCACAAGCTTCCAGAAGAACAGTCATTTGATGGGTTTTGCTCAGGCTCCGCCTACAGCTCAACTCCCTG
CCTGGCCAGCCACTGTTAACACGACTATTCTATTACCACATTTCTGAAGCACAAAATGTCTCCAG
TCATGTTCCATACCTGTAGCGTTACATGTAATATAGTCAATGTCCCTCAGCCAGCTGCCCGAGCCATT
CAGAGACACTATAATGATGAAGACCCTGAGAAGGAAAAGCGAATAAAGGAATTAGAATTGCTCCTAATGT
CAACCGAGAATGAGCTAAAAGGACAGCAGGTGCTACCAACACAGAACCACACATGCAGCTACCCCGGGT
GCACAGCACCACCTGCCGACCACCCAGACCTCATGGAGACAGTGCACCTGTTTCTGTTGGGAGAA
CACCCTCCACTCCATCTCTGCCAGCGGATCCTGGCTCCCTACCTGAAGAAAAGCGCTCGCCAGCAAGGT
GCATGATCGTCCACCAGGCACCATTCTGGATAATGTTAAGAACCTCTTAGAATTTGCAGAAACACTCCA
ATTTATAGATTCTGATTCTTCATCATGGTGTGATCTCAGCAGTTTTGAATTTCTTGAAGAAGCAGATTTT
TCACCTAGCCAACATCACACAGGCAAAGCCCTACAGTTCAGCAAAGAGAGGGCAATGGGACTAAACCTG
CAGGAGAACCTAGCCCAAGGGTGAACAAACGTATGTTGAGTGAGAGTTCACCTTGACCCACCAAGGTCTT
ACCTCCTGCAAGGCACAGCACAATTCCTGCTCATCCTTCGAAAAAACGGGGCCAGGCCAGCCCTTA
GCCACTGGAGACTGTAGCTCCTTCATATTTGCTGACGTCAGCAGTTCAACTCCCAAGCGTTCCTGTCA
AAAGCCTACCCTTCTCCTCCGCGAGTTCTTAAACACTCCAGTAACCATGAAAACCTCAGACTTGGAAAT
GCCTTCTTAACTTCCACCCCTCATTGGTCACAAATTGACTGTTACAACACCATTTTCATAGAGACCAG
ACTGTGAAAACCTCAAAGGAAAATACTGTTTTTAGAACCCAGCTATCAAAGGTCAATCTTAGAAAGCT
CTCCAAGAACTCCTACACCATCAACATGCACCTGCAGCTCAAGAAATTAATACGGTCCCTGAAGAT
GCTACCTCAGACACCCTCTCATCTAGTAGAAGATCTGCAGGATGTGATCAAACAGGAATCTGATGAATCT
GGAATTGTTGCTGAGTTTCAAGAAAATGGACCACCTTACTGAAGAAAATCAAACAAGAGGTGGAATCTC
CAACTGATAAATCAGGAACTTCTTCTGCTCACACCCTGGGAAGGGGACAGTCTGAATACCCAACCTGTT
CACGCAGACCTCGCTGTGGCAGATGCACCGAATATTCTTACAAGCTCCGTTTTAATGGCACCAGCATCA
GAAGATGAAGACAATGTTCTCAAAGCATTTACAGTACCTAAAAACAGTCCCTGGCGAGCCCTTGCAGC
CTTGTAGCAGTACCTGGGAACCTGCATCCTGTGAAAAGATGGAGGAGCAGATGACATCTTCCAGTCAAGC
TCGTAATACGTGAATGCATTCTCAGCCCGGACGCTGGTCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226149 representing NM_001130173
 Red=Cloning site Green=Tags(s)

MARRPRHSIYSSDEDDDFEMCDHDYDGLLPKSGKRHLGKTRWTREDEKLLKLVQNGTDDWKVIANYL
 PNRTDVQCQHRWQKVLNPELIGPWTKEEDQRVIELVQKYGPKRWSVIAKHLKGRIGKQCRERWHNHLNP
 EVKKTSWTEEDRIIYQAHKRLGNRWAEIAKLLPGRTDNAIKNHWNSTMRKVEQEGYLQESSKASQPAV
 ATSFQKNSHLMGFAQAPPTAQLPATGQPTVNNDYSYYHISEAQNVSSHVPYPVALHVNI VNPQAAAAI
 QRHYNDEDPKEKRIKELELLMSTENELKGGQVLPQNHTCSYPGWHSTTIADHTRPHGDSAPVSLGE
 HHSTPSLPADPGSLPEESASPARCMIVHQGTILDNVKNLLEFAETLQFIDSDSSSWCDLSSFEFFEEADF
 SPSQHHTGKALQLQQREGNGTKPAGEPSRVNKRMLSESSLDPKVLPPARHSTIPLVILRKRKQASPL
 ATGDCSSIFADVSSSTPKRSPVKSLPFPSPQLNTSSNHENSLEMPSTSTPLIGHKLTVTTPFHRDQ
 TVKTQKENTVFRTPAIKRSILESSPRTPTPFKHALAAQEIKYGPLKMLPQTPSHLVEDLQDVIKQESDES
 GIVAEFQENGPPLLKKIKQEVESPTDKSGNFFCSHHWEGDSLNTQLFTQTPVADAPNILTSSVLMAPAS
 EDEDNVLKAFVTPKNRSLASPLQPCSSWEPASCCKMEEQMTSSSQARKYVNAFSARTLVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg8003_d12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001130173

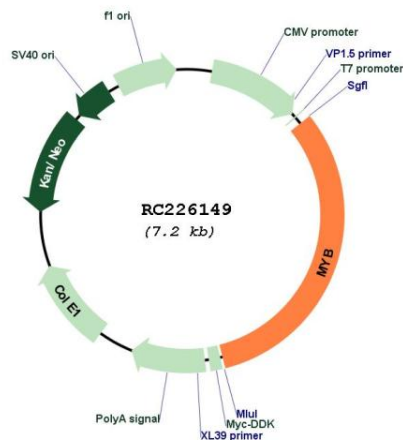
ORF Size: 2283 bp

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:	<u>NM_001130173.2</u>
RefSeq ORF:	2286 bp
Locus ID:	4602
UniProt ID:	<u>P10242</u>
Cytogenetics:	6q23.3
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transcription Factors
MW:	85.3 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 RC226149