

Product datasheet for **RC228575**

c-Myb (MYB) (NM_001161656) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	c-Myb (MYB) (NM_001161656) 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)



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ORF Nucleotide
Sequence:

>RC228575 representing NM_001161656
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCCGAAGACCCCGGCACAGCATATATAGCAGTGACGAGGATGATGAGGACTTTGAGATGTGTGACC
 ATGACTATGATGGGCTGCTTCCCAAGTCTGAAAAGCGTCACTTGGGGAAAACAAGGTGGACCCGGGAAGA
 GGATGAAAAAAGTGAAGAAGCTGGTGAACAGAATGGAACAGATGACTGGAAGATTATTGCCAATTATCTC
 CCGAATCGAACAGATGTGCAGTGCCAGCACCGATGGCAGAAAAGTAAACCCTGAGCTCATCAAGGGTC
 CTTGGACCAAAGAAGAAGATCAGAGAGTGATAGAGCTTGTACAGAAAACGGTCCGAAACGTTGGTCTGT
 TATTGCCAAGCACTTAAAGGGGAGAATTGGAAAACAATGTAGGGAGAGGTGGCATAACCCTTGAATCCA
 GAAGTTAAGAAAACCTCCTGGACAGAAGAGGAAGACAGAATTATTTACCAGGCACACAAGAGACTGGGGA
 ACAGATGGGCAGAAATCGCAAAGCTACTGCCTGGACGAACTGATAATGCTATCAAGAACCCTGGAATTC
 TACAATGCGTCGGAAGGTGGAACAGGAAGTTATCTGCAGGAGTCTTCAAAGCCAGCCAGCCAGCAGTG
 GCCACAAGCTTCCAGAAGAACAGTCATTTGATGGGTTTTGCTCAGGCTCCGCCTACAGCTCAACTCCCTG
 CCACTGGCCAGCCCACTGTTAACACGACTATTCTATTACCACATTTCTGAAGCACAAAATGTCTCCAG
 TCATGTTCCATACCCTGTAGCGTTACATGTAATATAGTCAATGTCCCTCAGCCAGCTGCCCGAGCCATT
 CAGAGACACTATAATGATGAAGACCCTGAGAAGGAAAAGCGAATAAAGGAATTAGAATTGCTCCTAATGT
 CAACCGAGAATGAGCTAAAAGGACAGCAGACACAGAACCACACATGCAGCTACCCCGGTGGCACAGCAC
 CACCATTGCCGACCACACCAGACCTCATGGAGACAGTGCACCTGTTTCTGTTGGGAGAACACCACTCC
 ACTCCATCTCTGCCAGCGGATCCTGGCTCCCTACCTGAAGAAAGCGCCTCGCCAGCAAGGTGCATGATCG
 TCCACCAGGGCACCACTTCTGGATAATGTTAAGAACCTCTTAGAATTTGCAGAAACACTCCAATTTATAGA
 TTCTGATTCTTTCATCATGGTGTGATCTCAGCAGTTTTGAATTCTTTGAAGAAGCAGATTTTTACCTAGC
 CAACATCACACAGGCAAAGCCCTACAGCTTACAGCAAAGAGAGGGCAATGGGACTAAACCTGCAGGAGAAC
 CTAGCCCAAGGGTGAACAAACGTATGTTGAGTGAGAGTTCACTTGACCCACCAAGGTCTTACCTCCTGC
 AAGGCACAGCACAAATCCACTGGTCATCCTTCGAAAAAACGGGGCCAGGCCAGCCCTTAGCCACTGGA
 GACTGTAGCTCCTTCATATTTGCTGACGTGACGAGTTCAACTCCAAGCGTTCCCTGTCAAAGCCTAC
 CCTTCTCTCCCTCGCAGTTCTTAAACACTTCCAGTAACCATGAAAACCTCAGACTTGAAAATGCCTTCTTT
 AACTTCCACCCCTCATTGGTCAAAAATTGACTGTTACAACACCATTTATAGAGACCAGACTGTGAAA
 ACTCAAAGGAAAATACTGTTTTTGAACCCAGCTATCAAAGGTCAATCTTAGAAAGCTCCAAGAA
 CTCTACACCATTCAAACATGCAGTTCAGCTCAAGAAATTAATACGGTCCCCTGAAGATGCTACCTCA
 GACACCCTCTCATCTAGTAGAAGATCTGCAGGATGTGATCAAACAGGAATCTGATGAATCTGGAATTGTT
 GCTGAGTTTCAAGAAAATGGACCACCTTACTGAAGAAAATCAAACAAGAGGTGGAATCTCCAAGTATA
 AATCAGGAAACTTCTTCTGCTCACACCACTGGGAAGGGGACAGTCTGAATACCAACTGTTACGCAGAC
 CTCGCCTGTGGCAGATGCACCGAATATTCTTACAAGCTCCGTTTTAATGGCACCAGCATCAGAAGATGAA
 GACAATGTTCTCAAAGCATTTACAGTACCTAAAAACAGGTCCTGGCGAGCCCTTGCAGCCTTGATGCA
 GTACCTGGGAACCTGCATCCTGTGGAAGATGGAGGAGCAGATGACATCTCCAGTCAAGCTCGTAATA
 CGTGAATGCATTCTCAGCCCGGACGCTGGTCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228575 representing NM_001161656
 Red=Cloning site Green=Tags(s)

MARRPRHSIYSSDEDDDFEMCDHDYDGLLPKSGKRHLGKTRWTREDEKLLKLVQNGTDDWKVIANYL
 PNRTDVQCQHRWQKVLNPELIKGPWTKEEDQRVIELVQKYGPKRWSVIAKHLKGRIGKQCRERWHNHLNP
 EVKKTSWTEEDRIIYQAHKRLGNRWAEIAKLLPGRTDNAIKNHWNSTMRRKVEQEGYLQESSKASQPAV
 ATSFQKNSHLMGFAQAPPTAQLPATGQPTVNNNDYSYHISEAQNVSSHVPYPVALHVNI VNPQAAAAI
 QRHYNDEDPKEKRIKELELLLMSTENELKGQQTQNHHTCSYPGWHSTTIADHTRPHGDSAPV SCLGEHHS
 TP SLPADPGSLPEESASPARCMI VHQGTILDNVKNLLEFAETLQFIDSDSSSWCDLSSFEFFEEADFS
 QHHTGKALQLQREGNGTKPAGEPSPRVNRMLSESSLDPPKVLPPARHSTIPLVILRKKRGQASPLATG
 DCSSIFADVSSSTPKRSPVKSLPSPSQFLNTSSNHENSLEMPSTLSTPLIGHKLTVTTPFHRDQTVK
 TQKENTVFRTPAIKRSILESSPRTPTPFKHALAAQEIKYGPKMLPQTPSHLVEDLQDVIKQESDES
 GIVAEFQENGP L L K K I K Q E V S P T D K S G N F F C S H H W E G D S L N T Q L F T Q T S P V A D A P N I L T S S V L M A P A S E D E
 DNVLKAFVTPKNRSLASPLQPCSSWEPASCGKMEEQMTSSSQARKYVNAFSARTLVM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001161656

ORF Size: 2274 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_001161656.2](#)

RefSeq ORF: 2277 bp

Locus ID: 4602

UniProt ID: [P10242](#)

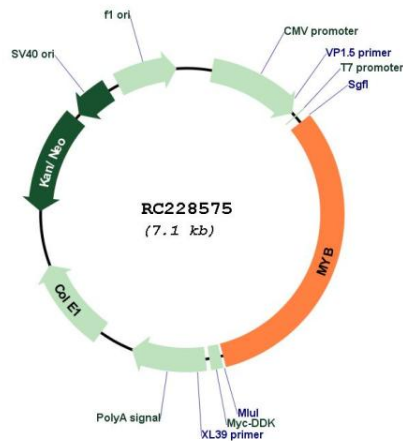
Cytogenetics: 6q23.3

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

MW: 85 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 RC228575