

## Product datasheet for **SC327131**

### **c-Myb (MYB) (NM\_001161660) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	c-Myb (MYB) (NM_001161660) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYB
Synonyms:	c-myb; c-myb_CDS; Cmyb; efg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



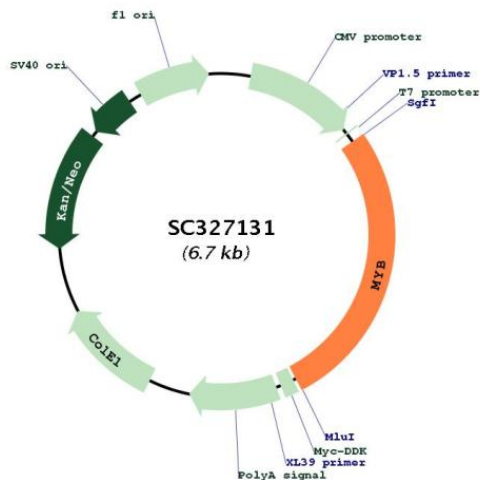
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Fully Sequenced ORF: >SC327131 representing NM\_001161660.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCGAAGACCCCGGCACAGCATATATAGCAGTGACGAGGATGATGAGGACTTTGAGATGTGTGAC
CATGACTATGATGGGCTGCTTCCCAAGTCTGGAAGCGTCACTTGGGAAAAACAAGTGGACCCGGGAA
GAGGATGAAAAACTGAAGAAGCTGGTGGAACAGAATGGAACAGATGACTGGAAAGTTATTGCCAATTAT
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TCAGCCCGGACGCTGGTCATGTGA
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TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM\_001161660

Insert Size: 1818 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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\\_001161660.1](#)

RefSeq Size: 3210 bp

RefSeq ORF: 1818 bp

Locus ID: 4602

UniProt ID: [P10242](#)

Cytogenetics: 6q23.3

<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transcription Factors
<b>MW:</b>	68.1 kDa
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (8, also known as DelE8) lacks two alternate in-frame exons compared to variant 1. The resulting isoform (8) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>