

## Product datasheet for **SC325284**

### v Myb (MYBL1) (NM\_001144755) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	v Myb (MYBL1) (NM_001144755) Human Untagged Clone
Tag:	Tag Free
Symbol:	v Myb
Synonyms:	A-MYB; AMYB
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC325284 representing NM\_001144755.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGAAGAGGTCGCGCAGTGAGGATGAGGATGATGACCTTCAGTATGCCGATCATGATTATGAAGTA
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CAACACAAACCTTGTGCAGCTATGGATCATATGCAAACCCAGAATCAGTTTTACATACCTGTTCCAGATC
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CTGTAA
  
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- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001144755
- Insert Size:** 2076 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\\_001144755.1](#)

**RefSeq Size:** 5008 bp

**RefSeq ORF:** 2076 bp

**Locus ID:** 4603

**UniProt ID:** [P10243](#)

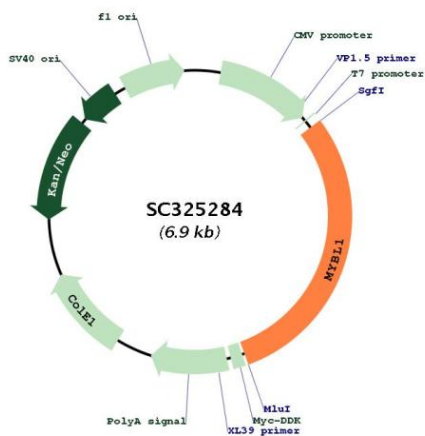
**Cytogenetics:** 8q13.1

**MW:** 78.8 kDa

**Gene Summary:** Transcription factor that specifically recognizes the sequence 5'-YAAC[GT]G-3' (PubMed:8058310, PubMed:7987850). Acts as a master regulator of male meiosis by promoting expression of piRNAs: activates expression of both piRNA precursor RNAs and expression of protein-coding genes involved in piRNA metabolism (By similarity). The piRNA metabolic process mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons, which is essential for the germline integrity (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.

Product images:



Circular map for SC325284