

Product datasheet for **SC337184**

B MyB (MYBL2) (NM_001278610) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B MyB (MYBL2) (NM_001278610) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYBL2
Synonyms:	B-MYB; BMYB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001278610, the custom clone sequence may differ by one or more nucleotides

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ATGTCTCGGCGGACGCGCTGCGAGGATCTGGATGAGCTGCACTACCAGGACACAGATTAGATGTGCCGG
AGCAGAGGGATAGCAAGTGCAAGGTCAAATGGACCCATGAGGAGAACCGCACTGACCAGCAATGCCAGTA
CAGGTGGCTGAGAGTTTTGAATCCAGACCTTGTCAAGGGGCCATGGACCAAAGAGGAAGACCAAAAAGTC
ATCGAGCTGGTTAAGAAGTATGGCACAAAAGCAGTGGACACTGATTGCCAAGCACCTGAAGGGCCGCTGG
GGAAGCAGTGCCGTGAACGCTGGCACAACCCACCTCAACCTGAGGTGAAGAAGTCTTGCTGGACCGAGGA
GGAGGACCGCATCATCTGCGAGGCCACAAGGTGCTGGGCAACCGCTGGGCCGAGATCGCCAAGATGTTG
CCAGGGAGGACAGACAATGCTGTGAAGAATCACTGGAACCTACCATCAAAGGAAGGTGGACACAGGAG
GCTTCTTGAGCGAGTCAAAGACTGCAAGCCCCAGTGTACTTGTGCTGGAGCTCGAGGACAAGGACGG
CCTCCAGAGTGCCAGCCACGGAAGGCCAGGGAAGTCTTCTGACCAACTGGCCCTCCGTCCTCCTACC
ATAAAGGAGGAGGAAAACAGTGAGGAGGAAGTGCAGCAGCCACCACATCGAAGGAACAGGAGCCCATCG
GTACAGATCTGGACGCAGTGCGAACACCAGAGCCCTTGGAGGAATCCCGAAGCGTGAGGACCAGGAAGG
CTCCCCACCAGAAACGAGCCTGCCTTACAAGTGGGTGGTGGAGGAGCTAACCTCCTCATCCCTGCCTGTG
GGTTCTAGCCTCTCTGAAGCCCTGGACTTGATCGAGTCCGACCCCTGATGCTTGGTGTGACCTGAGTAAAT
TTGACCTCCCTGAGGAACCATCTGCAGAGGACAGTATCAACAACAGCCTAGTGCAGCTGCAAGCGTCACA
TCAGCAGCAAGTCTGCCACCCCGCCAGCCTTCCGCCCTGGTGCCAGTGTGACCGAGTACCGCCTGGAT
GGCCACACCATCTCAGACCTGAGCCGGAGCAGCCGGGGCGAGCTGATCCCATCTCCCCAGCACTGAAG
TCGGGGGCTCTGGCATTGGCACACCGCCCTCTGTGCTCAAGCGGCAGAGGAAGAGGCGTGTGGCTCTGTC
CCCTGTCACTGAGAATAGCACCAGTCTGTCTTCTGGATTCTGTAAACAGCCTCACGCCAAGAGCACA
CCTGTTAAGACCCTGCCCTTCTCGCCCTCCCAGTTTCTGAACTTCTGGAACAAACAGGACACATTGGAGC
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ACTCCCCACAGCCAACCCCGTTCAAGAACGCCCTGGAGAAGTACGGACCCCTGAAGCCCTGCCACAGA
CCCCGCACCTGGAGGAGGACTTGAAGGAGGTGCTGCGTTCTGAGGCTGGCATCGAACTCATCATCGAGGA
CGACATCAGGCCCGAGAAGCAGAAGAGGAAGCCTGGGCTGCGGCGGAGCCCCATCAAGAAAGTCCGGAAG
TCTCTGGCTCTTGACATTGTGGATGAGGATGTGAAGCTGATGATGTCCACTGCCCAAGTCTCTATCCT
TGCCGACAACCTGCCCTTCAAACCTTCCAGCCTCACCTGTGAGTATCAAAGAAGACAACAGCTTGTCT
CAACCAGGGCTTCTTGCAGGCCAAGCCCGAGAAGGCAGCAGTGGCCAGAAAGCCCGAAGCCACTTCAGC
ACACCTGCCCTATGTCCAGTGCCTGGAAGACGGTGGCCTGCGGGGGGACCAGGGACCAGCTTTTCATGC
AGGAGAAAGCCCGCAGCTCCTGGGCGCCTGAAGCCAGCCACACATCTCGGACCTCATCTTGTCTCTG
A
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001278610

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).

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:	NM_001278610.1 , NP_001265539.1
RefSeq Size:	2713 bp
RefSeq ORF:	2031 bp
Locus ID:	4605
UniProt ID:	P10244
Cytogenetics:	20q13.12
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transcription Factors
Gene Summary:	<p>The protein encoded by this gene, a member of the MYB family of transcription factor genes, is a nuclear protein involved in cell cycle progression. The encoded protein is phosphorylated by cyclin A/cyclin-dependent kinase 2 during the S-phase of the cell cycle and possesses both activator and repressor activities. It has been shown to activate the cell division cycle 2, cyclin D1, and insulin-like growth factor-binding protein 5 genes. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2013]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>