

Product datasheet for **SC116756**

MAFB (NM_005461) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAFB (NM_005461) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAFB
Synonyms:	DURS3; KRML; MCTO
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005461, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGCGGAGCTGAGCATGGGGCCAGAGCTGCCACCAGCCCGCTGGCCATGGAGTATGTCAACGACT
TCGACCTGCTCAAGTTCGACGTGAAGAAGGAGCCACTGGGGCGCGGAGCGTCCGGGCAGGCCCTGCAC
ACGCCTGCAGCCAGCCGGCTCGGTGTCTCCACACCGCTCAGCACTCCGTGTAGCTCCGTGCCCTCGTGC
CCCAGCTTCAGCCGACCGAACAGAAGACACACCTCGAGGATCTGTACTGGATGGCGAGCACTACCAGC
AGATGAACCCCGAGGCGCTCAACCTGACGCCGAGGACGCGGTGGAAGCGCTCATCGGCTCGCACCCAGT
GCCACAGCCGCTGCAAAGCTTCGACAGCTTTCGCGGCGCTCACCACCACCACCATCACCACCACCCTCAC
CCGACACCAGCGTACCCGGGCGCCGGCTGGCCACGACGAGCTGGGCCCGCACGCTCACCCGCACCATC
ACCATCATACCAAGCGTCGCCGCCCGCTCCAGCGCCGCTAGCCCGGCGCAACAGCTGCCCACTAGCCA
CCCCGGGCCCCGGGCCGACGCGACGGCTCGGCGACGGCGGGCGGCAACGGCAGCGTGGAGGACCGC
TTCTCCGACGACCAGCTCGTGTCCATGTCCGTGCGCGAGCTGAACCGCCACCTGCGGGGCTTCACCAAGG
ACGAGGTGATCCGCCTGAAGCAGAAGCGGCGGACCCTGAAGAACCGGGCTACGCCAGTCTTGCAGGTA
TAAACGCGTCCAGCAGAAGCACCTGGAGAATGAGAAGACGCAGCTCATTGACAGGTGGAGCAGCTT
AAGCAGGAGGTGTCCCGGCTGGCCCGGAGAGAGACGCCTACAAGGTCAAGTGGCAGAAAACCTGCCAACT
CCGGCTTCAGGAGGCGGCTCCACCAGCGACGCCCTCCTCTCCCAGTTCCTTCTGTGA
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5' Read Nucleotide Sequence: >OriGene 5' read for NM_005461 unedited
NGGTGCAAAATTGTAACGACTCATATAGGCGGCCGNAATTCGCACGAGGCGCCGAGC
TGCGAGCGGCTGCGAGCGAGAGAGCGTAAGAGCAAGAGAGCTAGAGAGCGAGCAACGGGC
ACTCGCCCACGCCTCCCCTCAGCCCCACCGCGGCTCCGCTTGCCTCTCACCCCGCCC
GACTCTACCCGGCCCGTCCCTGCGCGGCACAGCCAGAGCTCTGGGGCGGTGCAGGCA
GCCTCGGGACTCTCCGGCGCCGCGCGTCCCAGACAAAGGCTTGGCCGGCGGCCCGC
GCCGCTGCGCCCTCGTCCCCGCTCCCAGCTCTTCTCCGCTTCCCCCGCGCTT
GGCTCGGCGGCTCCGGCCGGCCGAAAGTTTCCGGGCGGCAGCGCGGCTGCGCCTCG
CTTCAGCGATGGCCGCGAGCTGAGCATGGGGCCAGAGCTGCCACCAGCCCGTGGCCA
TGGAGTATGTCAACGACTTCGACCTGCTCAAGTTCGACGTGAAGAAGGAGCCACTGGGGC
GCGCGGAGCGTCCGGGAGGCCCTGCACAGCCTGCAGCCAGCCGGCTCGGTGTCCTCCA
CACCGCTCAGCACTCCGTGTAGCTCCGTGCCCTCGTCCCGAGCTTCAGCCCAGCCGAAC
AGAAGACACACCTCGAGGATCTGTACTGGATGGCGAGCAACTACCAGCAGATGAACCC
GAGCGCTCAACCTGACGCCCGAGGACCGGTGGAAGCGCTCATCGGCTCGACCCAGTGC
CACAGCGCTGCAAAGCTTCGACAGCTTTCGTGGNGCTACCACCACCACCATNACCACC
ACCTTACCAGNACCAGCGTACCGGGCGCCCGGCTGGCCACGAGAAGCTGGCCCCAC
GCTC

3' Read Nucleotide Sequence: >OriGene 3' read for NM_005461 unedited
ACGCCCAGCGACCCCCCCCCATTCTCNNNNNNNGNNTTACTGTGNGACCGCGCCCGC
TTTCTNANGATCGATTTTTTTTTTTTTTTTAACTTACAAACAAAATACCGTAATAATA
AACCCAAACAAAGACCTCAGCTTGCTGCCAGTTCTCTATGCGGTTTGGCGGGCGGGT
ATTTACAAGCCTACAGCTGGGACTGAAACCCCGCACGCAGCCCGGAGTTTCAAACCTG
CGATCCCTTCTACCCAAAGAAACAAGGGGAGTATGATCCATGATCAACAACATGCTAAA
GTTAAACAAGAAAATGGTACAAAATAGAAATTATTACCATACATGTCCAGCATGCAGGAT
TAATATTTTTAATGCAGATTTTTGTATTTTTCTATATAATCGAGCAGGCAATAAACTG
ATGAGATTTGGGCGCCGAGCGTCTAAGTGGGCTGTGTCTCAGGGCTGAGAGCCAGTG
TTCTCCGAACTCTGACAGACAGGTCCGTCTGTCCTTCTTTCGCTCAGCCTCGCCTC
TCGCTGCCGGGACGCCAGAGTCCCTCTCCTTCTCGTTGCTCTTCTCGGCGGGAC
TACTCTCCGGGACGAAAGCAGCTGTCCCGGCTTAACGCGCAAAGNTCAGAAAGCCAGGA
AGTTTCAAATGGCCTTGGTGACTTCTNNGGACTATGCCTCGCCGCCCTTTCACCTGGAGA
GGAATTACTCCGGGACCTCCACCCCTTGGTTTTCTCCTCCGGCTCTGGTCGAGTATTAG
AAGCGGGGCTTGGCGTGCCTATTTTCGCTTACCAAGGACCCTGTNCCGCCGGGCCCC
CCGCCGTACCCCGCGGCCCGGCCCTTCTTCTTGGTAAAGTAAAACAGGCAAAG
CTTGGGCCCCCGCAGGAACAGGTCCGTATTCTTGAATAGGGACACGGAACCGGAAT
CCGGCCCGCGCAAGGG

Restriction Sites: NotI-NotI

ACCN: NM_005461

Insert Size: 2390 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

RefSeq: [NM_005461.3](#), [NP_005452.2](#)

RefSeq Size: 3378 bp

RefSeq ORF: 972 bp

Locus ID: 9935

UniProt ID: [Q9Y5Q3](#)

Domains: bZIP_Maf, BRLZ

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The protein encoded by this gene is a basic leucine zipper (bZIP) transcription factor that plays an important role in the regulation of lineage-specific hematopoiesis. The encoded nuclear protein represses ETS1-mediated transcription of erythroid-specific genes in myeloid cells. This gene contains no introns. [provided by RefSeq, Jul 2008]