

Product datasheet for **SC105803**

MAF1 (NM_032272) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAF1 (NM_032272) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAF1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032272, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCTATTGGAGAACTCGAGCTTTGAAGCCATCAACTCACAGCTGACTGTGGAGACTGGAGATGCC  
ACATCATTGGCAGGATTGAGAGCTACTCATGTAAGATGGCAGGAGACGACAAACACATGTTCAAGCAGTT  
CTGCCAGGAGGGCCAGCCCCACGTGCTGGAGGCACTTTCTCCACCCAGACTTCAGGACTGAGCCCCAGC  
AGACTCAGCAAAAGCCAAGGCGGTGAGGAGGAGGGCCCCCTCAGTGACAAGTGCAGCCGCAAGACCCCTCT  
TCTACCTGATTGCCACGCTCAATGAGTCCTTCAGGCTGACTATGACTTCAGCACAGCCCCGAGCCATGA  
GTTTCAGCCGGGAGCCCAGCCTTAGCTGGGTGGTGAATGCAGTCAACTGCAGTCTGTTCTCAGCTGTGCGG  
GAGGACTCAAGGATCTGAAACCACAGCTGTGGAACGCGGTGGACGAGGAGATCTGCCTGGCTGAATGTG  
ACATCTACAGCTATAACCCAGACTTGGACTCAGATCCCTTCGGGGAGGATGGTAGCCTCTGGTCCTCAA  
CTACTTCTTCTACAACAAGCGGCTCAAGCGAATCGTCTTCTTTAGCTGCCGTTCCATCAGTGGCTCCACC  
TACACACCCTCAGAGGCAGGCAACGAGCTGGACATGGAGCTGGGGGAGGAGGAGGTGGAGGAAGAAAGCA  
GAAGCGGGGGCAGTGGGGCCGAGGAGACCAGCACCATGGAGGAGGACAGGGTCCCAGTGATCTGTATTTG  
A
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_032272 unedited</p> <pre>TAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTGGCGGGTACGGCACCC GATGGCTATTCGAGCTCTCGATCTCGGAGACTGGAGCGGGCCATTAGAGGCGCGGGGCC GGGCCCCGGCGGACGCTTGTGTGTGTCCGGCCGGGGGAGGCGGAGGTCGCTCGCTCGCTCG CTCGGCTCGTACTCGCCGGAGCGCTCTGTGGCGGTGGCGGCAGGTGGTTCGCGAGAG CGGGCTCTGTGGAAGGGGGCGAGGCTATGTCCGGTGGCAGCCCGGATGGGCCGGCAGGG CCGGGAGTAACGGGACGTCCGCCGGAGCTTCTCCCCCGGATACAGTGGCGCCCGAGCG GAGGCCGCGGCGCCCTCCGATCTTGAAGAGCCCGCGCTGCGCGGAGCCCGCCCCCGC CTGCGCACCGGCACCGACGCGGAGCGACCCAGCCAGCCAGACCCGGCCCGCGCGCCTG ATCTAACCCAGCCAGGCAGGCAATACTAGCCCCTCTGGAGCACGGAGCTCCTTCCCCAAA GACATGAAGCTATTGGAGAACTCGAGCTTTGAAGCCATCAACTCACAGCTGACTGTGGAG ACCGGAGATGCCACATCATTGGCAGGATTGAGAGCTACTCATGTAAGATGGCAGGAGAC GACAACACATGTNCAAGCAGTTCTGCCAGGAGGGCCACNCCCACGTNGCTGGAGGCACTT TCTCCCCCAGACTTCAGGACTGAGCCCCAGCAGACTCAGCAAAGCCAGGGCGGTGAGGG GGAGGAGGGCCCCCTCAGTGACCAGTGCAGNCCGAGACCCTCTCTACCTGATTGCCAC GCTCATGATNNCCTTCAGCCTGACTATGACTTCAGCCAGCCGCGNCCATGATNTCAACCC GAGCACCTCTTATGTGGGGGGGGAGATGCAGTACTGCAGTCTGTCTACTGTGCGCGG AGGACCTCAG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_032272 unedited</p> <pre>TTGACGCGGCCGCATCTATAGTCGGTTTTTTTTTTTTTTTTTTTAAAGTCACATAAACTT TTATTGAAAAGAAACGATCTGCAGCAAAGTGACACTCAGTGCACGCGCCAAATGGGCGA GGTGGGGGTACAGGTGGGCACCGGGCCGGCCCAAGACCATAGCCGGTACTGCTGGGGC CTGCTCGTGGGGCTCCGGCCACAGACCCTTTGGGCTGGAGTGTGCAGGCCCAAGTAAAA TACAAAAATAAACTCTGCGGTCCAGCTGTCCCTGCTGTGGCAGTTCATTTGGGCAGGCA GTCGCTCCTCCCACAGGCCCTGCTGACAAGTCCGGCCACAGCATGGGCAGCAGGAGT CTGAGGGGTGAGTGGGCATCCACAGGATGGAGCCAAAGGGCTAGGCAGGTATGGCCTTGG GCAGTGCCAGGACTGTGGCAGCGCCAGGGTCTGGCCAGCAGCTGGCGAGGCCCCAGGGGC CTCTCATGTGGACAGGTCCAGGCATTGGTTGAAGCTGGATGAAGCTGGGGCTCGGCTCC TCCTCATCAAATACAGATCACTGGGACCCTGTCTCCTCCATGGTGTGGTCTCCTCGGC CCCCTGCCCTGCTTCTGCTTTCTTCTCCACCTNCTCCTCCCCAGCTCCATGTCCAG CTCGTTGCTGCCTCTGAAGGTGTGTAGGTGGAGCCACTGATGGATCGGCAGCTAAAGAA GACGATTCGCTTGAGCCGTTGTTGTANAATAATGTATTGAAGGACCAGAGGCTACCATC TCCCCGAAGGATCTGAGTCCAAGTCTGGTTATAGCTGTAGATGCACATTCAGCCAG CAGATCTCCTCGTCCACCGGTTCCCAAACTGAGGTTNAGATTCTTGGAGTCTCCCG CACAGCTGAGGACAGACTGCAGTTGACTGCATTCACCACCAGCTTAAGCTGGGCTNCCGC TGAAGTCACTGCTGCGGCTGTGCTGAATACTT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_032272
Insert Size:	1910 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).
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_032272.3](#), [NP_115648.1](#)

RefSeq Size: 1828 bp

RefSeq ORF: 771 bp

Locus ID: 84232

UniProt ID: [Q9H063](#)

Cytogenetics: 8q24.3

Protein Families: Transcription Factors

Gene Summary: This gene encodes a protein that is similar to Maf1, a *Saccharomyces cerevisiae* protein highly conserved in eukaryotic cells. Yeast Maf1 is a negative effector of RNA polymerase III (Pol III). It responds to changes in the cellular environment and represses pol III transcription. Biochemical studies identified the initiation factor TFIIB as a target for Maf1-dependent repression. [provided by RefSeq, Jul 2008]