

Product datasheet for **SC319644**

MAFG (NM_032711) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAFG (NM_032711) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAFG
Synonyms:	hMAF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_032711.2
 CCGCGTCTTATTCCTTCTAATCTCTCCCGGCCCTTGTCTTGCCTGCCTTCCTAACAGCCTTTCAGTTCCCTTCTCCCGTCAGACCTTCTGACCTCCCACCTGGTTCTCTAGGGGAGGGTGGACAGGAAGCAGCTCAGCCAGCCTGGGAGAGGCCAAGGGTGCCTCCTATCAGAGAGCCCTGCTCGCTGTGCCCCGGGTATGACGACCCCAATAAAGGAAACAAGGCCTGAAAGGTGAAGCGGGAGCCGGGTGAGAAATGGCACCAGCCTGACGGATGAGGAGCTGGTGAACATGTCGGTGGGGAGCTGAACCAGCACCTGCGGGCCCTGTCCAAGGAGGAGATCGTCCAGCTGAAGCAGCGCCGGGCACGCTCAAGAACCAGCGGCTACGCTGCCAGCTGCCGCGTGAAGCGGTGACGCAGAAGGAGGAGCTGGAGAAGCAGAAGCGGAGCTGCAGCAGGAGGTGAGAAGCTGGCCTCAGAGAACCAGCATGAAGCTGGAGCTCGACGCGCTGCGCTCCAAGTACGAGGCGCTGCAGACCTTCCGCCGGACGGTGGCCCGCAGCCCCGTGGCGCCAGCCCGGGGCCCTTGGCGCCGGCCTGGGGCCCTCGTCCCAGGCAAGGTGGCCGCCACCAGCGTCAACAATAGTAAAGTCCAAGACGGATGCCCGATCGTAGGGACGCGCTGCTGCCAGGCGGGTCTTTGGGGGCCACTAGGCACATGGCGAATTTGGCTGCCCTGTCCCTCTGTTTCCTTCTCTCTTCCCTCTCTTCCCGCCCTTCTCTTCCCTGCAAAGCACAACTGTACCCAGGGGCGCCGGGCTGAGCCCTTTGATCTCGTCATTGTCTGTCGTGTTTTGTATGTTGGGATTGGTCAGTTCGGCGGTGACGTGGGGTCGCCCAACCCCTTTTGTACCAGGGCCATGCAGGCTTGGAGTCCAGAGTTGGTGCTGTGGGAACGGACTAGAGAGAGTTGCGGGAGAGAGAAGGAGCAGGCACGCTGGGCCTCGCGTGTCCCGAGCAGTGAGGGTCCCAGTGTCCCTCCACTCCCAGTGGCCACAGGCTCGCGGGCTGGGAAGGATTCACTCTCTTTAGCCCCAGGGAGCAGCTCAGCTTAGCCCAGCATGAAGAGATGGGCTCTGCTCTGAGAGTAGGGCGGCTTGAAGGCCCTGATGGGTGGACCACCAGCCTGGGCGCAGTGGTCTGGGGCGTGCAGCTGGGCCAGGGGCTGTGCACTCAGGCCTGACCCGTTGCACTGAACAAGACCAAAATCGCTGGTTGTGCGCTTAACGTGAGGGTGGGTCCAGTGTGCCCTGCGATGGGTCCCGTGTCACTGTTACATGACCTATTTGTGTGGTTATATAGCCCTTTATTTAAAAGAGAGAAGTTCCTTTTACAAAAGTTATTAATTAATTATATGTTTAAAAGTTAAAGAAAAAAGAGCTGCAGAGTATTATAAACTGTCTTTAGAAAAAAAACAAGCAAGAAGACCATTTGACCATATGAATGGAAAGGGAAGAAAGTATAATAGAACTTTGCTAGTTAAAAAAAAGAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_032711

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:	<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_032711.2 , NP_116100.2
RefSeq Size:	5038 bp
RefSeq ORF:	489 bp
Locus ID:	4097
UniProt ID:	O15525
Cytogenetics:	17q25.3
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>Globin gene expression is regulated through nuclear factor erythroid-2 (NFE2) elements located in enhancer-like locus control regions positioned many kb upstream of alpha- and beta-gene clusters (summarized by Blank et al., 1997 [PubMed 9166829]). NFE2 DNA-binding activity consists of a heterodimer containing a ubiquitous small Maf protein (MafF, MIM 604877; MafG; or MafK, MIM 600197) and the tissue-restricted protein p45 NFE2 (MIM 601490). Both subunits are members of the activator protein-1-like superfamily of basic leucine zipper (bZIP) proteins (see MIM 165160).[supplied by OMIM, Mar 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>