

Product datasheet for **SC305209**

MCAF2 (ATF7IP2) (NM_024997) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MCAF2 (ATF7IP2) (NM_024997) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCAF2
Synonyms:	MCAF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC305209 representing NM_024997.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCAAGTCCAGATAGAAGTAAACGGAAGATATTTAAAGCCAAAAAGACAATGCCCTAAGTTGCCGG
AAGCAAGTAGAGATGCTGAATAAGTCAAGGAATGTTGAAGCGCTGAAAACAGCAATTGGGAGTAATGTT
CCAAGCGTAATCAGAGTTTCAGTCCTAGTGTCATAACTAGGACGACTGAAATAACCAAATGTAGCCCT
TCTGAAAATGGTGCATCCTCATTGGACTCTAATAAAAAATCAATATCAGAGAAAAAGTAAAGTATTCTCT
CAGAATTGCATAAAACAGTAGAAGAAATTGTTTCATTGAGAAACAAAATGGAACAAGTTGTTTGTTCG
TACCAAAAGCCAAGTAGAACAACAGAATCCCCAGCAGAGTCTTCACAGAAGAGGCAAAAGATTCAGT
AACACTTCTGAAAACGATTCTGAGCATCAGACAAATGTAACAAGATCCCTTTTGTAGCATGAGGGGGCT
TGTAAGTCTAAAGTCCAGTTGCTGCCACCCAGTGATTGAGTGGTGTGTTGAGTGCCAGAGTCTACA
GTAACCAGTACCGTGGGTGACAAGAAACTGACCAGATGGTTTTCCATTTAGAAACAAATCCAATTCA
GAATCACATGATAAAAGGCAAGTGACAACATTTTATGTTGAGAAGACTCAGGTTTTGTGCTGTGAG
AAAACACCTAATTTGGTGAATTCAGTCACCTCTAACAACGTGTGCTGATGACATTTTGAAAACGTAGAG
TGTAAGTAGAACCAAGTATTTCAAATTGTGAAAGTGACAGCTCAACATGGCAGTCATCACTTGACACTAAT
AACACAGCCATTATCAAAAGAAGAGGATGTTTTGAGAAAACGAGGAAAAATGTTAAACGCATGAAAAC
TCAGAGCAAAATTAATGAAAATATTTGTGAAGTTTGAAAGGCAACAGCATTCTGGAACAGGTCAGA
CATTTGATTGAGCAGGAGATCTATAGCATAAAATTAAGTATTTGATAAGAACTGAAAGAATTGAAC
CAACGCATTGGGAAGACAGAGTGCAGAAATAAGCATGAAGGAATAGCTGATAAATTTTGCAAAAAATA
GCAAAACTTCAAAGACGTATTAACACAGTATTATTATTTCAAAGGAATTGTTTGAACCAAAATGTTA
TCCAGTAATGGAGCCTCTAAGGTTGCAATTCAGAGGCTATGATTTTGGATAAGAATCTTGAGTCAGTT
AATAGTCCAATTGAAAAGTCTTCTGTGAATTATGAGCCTTCTAACCTTCCGAAAAAGGAAGTAAAAAA
ATTAATTTGTATCAGATCAAAATAAGTCTGTTTCTGAAAGTAACAATGATGATGTTATGTTGATTCT
GTGGAAGTCTAATTTGACAACTCCAATTACATCAAAATCCAACAGATACCAGAAAAATACATCAGGA
AATTCTAGCAATTCTCCAATGCTGAAGTTATGGCTGTACAGAAGAACTTGATTCTATAATTGATTG
ACAAAAGAAGGCTATCCAATGCAATACAGAAAGTCCAGTATCCCCCTGGAGTCACATTGAAAGCT
GCTTCAAATCAAAGGAAACAACCCATTGGCACAAAATGCAGTCCAGGTTCTGAGTCTTTGAGCAC
CTGCCACCTCTCCAGAACACCAGCACCCTACCTGAATTAGTAGACAAAACCCGAGACACACTTCT
CCCCAGAGCCTGAGCTCAAAGTGAAACGGGTTTTGAGCCCAATGGCATTGCCCTGACTTGAATATA
ACCAAAATCAATCCCAAGTGTGCTCCTGTAGAAAGCTACCACCTCTTCTGTGTATGAGAACTCTAAT
AATAAGTTGATTTGGAAGAAGATTGGAGAAATTAAGCTTTACCACTCCCATGGCCTGTACTTTATCT
CAGTTTTTAGCTTCCAACAGATACTATTTTACTGTCCAATCAAAAGATATTTTGGACGATATGGACCA
TTCTGTATATAAAATCTATCCCTGGGTTTTCTGAAAATCTTACGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCG
  
```

Restriction Sites: SgfI-MluI

ACCN: NM_024997

Insert Size: 2049 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:	<u>NM_024997.3</u>
RefSeq Size:	3677 bp
RefSeq ORF:	2049 bp
Locus ID:	80063
UniProt ID:	<u>Q5U623</u>
Cytogenetics:	16p13.2-p13.13
MW:	75.8 kDa
Gene Summary:	Recruiter that couples transcriptional factors to general transcription apparatus and thereby modulates transcription regulation and chromatin formation. Can both act as an activator or a repressor depending on the context. Mediates MBD1-dependent transcriptional repression, probably by recruiting complexes containing SETDB1. The complex formed with MBD1 and SETDB1 represses transcription and probably couples DNA methylation and histone H3 'Lys-9' trimethylation (H3K9me3) activity (Probable).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).