

## Product datasheet for **SC315322**

### MCAF1 (ATF7IP) (NM\_018179) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MCAF1 (ATF7IP) (NM\_018179) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** MCAF1  
**Synonyms:** AM; ATF-IP; MCAF; MCAF1; p621  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL4  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_018179 edited  
 ATGGACAGTTTGAAGAACCTCAGAAAAAAGTCTTTAAGGCTCGAAAAACGATGAGAGTG  
 AGTGATCGTCAGCAACTGAAGCAGTGTACAAGGTCAAAGAAGAACTGTTGAAAACGAT  
 GTCAAGCTGTAAATGGCAACCATGAAAAATGGAGATTTGGACCCAACCTCACCTTTGGAA  
 AACATGGATTACATTAAGACAAGGAAGAGGTGAATGGCATTGAAGAGATTTGTTTTGAT  
 CCTGAAGGAAGTAAAGCAGAATGGAAGGAAACACCCTGTATCCTAAGTGTAAATGTA  
 AACAAAGCAGGATGATGATTTAAATTGTGAACCTTTGTCTCCCATATAAATCCAGAA  
 CCAGTCTCTAAACTGCCTGCTGAACCACTTTCTGGTGATCCAGCCCTGGTGATCTGGAT  
 GCCGGAGATCCAGCCTCCGGAGTACTGGCCTCTGGTGATCCACCTCTGGTGATCCAC  
 TCTAGCGAGCCCTCCTCTAGTGATGCTGCCTCTGGTGATGCAACCTCTGGTGATGCCCT  
 TCTGGTGATGTGTCCCCTGGTGATGCCACCTCTGGTGATGCCACTGCTGATGATCTCTCC  
 TCTGGTGATCCCACCTCTAGTGATCCCATCCCAGGTGAACCGGTCCCTGTTGAACCCATT  
 TCTGGTGATTGTGCCCTGATGATATAGCCTCTAGTGAATAAATCTGTTGATCTGGCT  
 TCTGGAGCACCAGCTTCCACTGATCCAGCCTCTGATGATCTGGCCTCTGGTGATCTATCC  
 TCTAGTGAACCTTTGATCGTACCTTTGAACCAAAGTCTGTACCAGTTTGTGAACCAAGT  
 CCTGAAATTGACAATATAGAACCAAGTAGCAATAAAGATGATGATTTTCTTGAAAAAAT  
 GGAGCTGATGAAAAATTAGAGCAAATTCAGAGTAAAGACTCATTGGATGAGAAAAATAAA  
 GCTGATAATAATATTGATGCTAATGAAGAACTCTAGAAACAGATGATACAACATTTTGT  
 TCAGATCGACCTCCTGAAAATGAAAAGAAGGTAGAGGAAGATATTATCACAGAGCTTGCT  
 CTTGGAGAAGATGCTATATCTAGCAGTATGAAAATTGACCAAGGTGAAAAGAATGAAGAT  
 GAAACTTCTGCAGATCTGTAGAAACGATTAATGAAAATGTTATTGAAGATAACAAAAGT  
 GAGAATATCTTAGAAAATACAGACTCTATGGAGACAGATGAAATCATTCTATTTTGGAA  
 AAGCTTGACCTTCTGAGGATGAACTTACTTGCTTTTCTAAAACATCTCTCCTTCCAATC  
 GATGAGACAAATCCAGATTTGGAAGAGAAAATGAAAAGTCTTTTGGTTACCATCTAAA  
 CAAGAAAGTAGTGAGAGTTTGCCAAAAGAAGCCTTTCTGGTCTCTGATGAAGAGGAT  
 ATTTCCGGTGAAAAGATGAGTCTGAAGTTATATCGCAAATGAAACGTGCTCTCCAGAA



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GTAGAAAGTAATGAAAAGGACAACAGACCTGAGGAAGAAGAGCAAGTAATACATGAAGAT  
 GATGAAAGACCTTCTGAGAAAAATGAATTTTCTAGACGAAAACGTTCTAAATCAGAAGAC  
 ATGGACAATGTACAGTCTAAACGTCGTCGATATATGGAAGAAGAAATGAGGCAGAATTT  
 CAAGTAAAGATTACAGCCAAAGGAGACATTAACCAGAACTTCAAAGGTTATACAGTGG  
 TTGCTGGAAGAAAAATTTGTGCGCTGCAGTGTCTGTATTTGATAAGACTTTGGCAGAA  
 TTGAAAACACGAGTGGAAAAGATTGAATGTAACAAGAGGCATAAAACAGTTCTCACTGAA  
 CTACAGGCCAAGATAGCCAGGTTAACCAACGCTTTGAAGCAGCCAAAGAAGATCTTAAG  
 AAAAGACATGAACATCCACCCAACCCACCAGTATCACCAGGAAAAACTGTAATGATGTC  
 AACAGCAATAATAACATGTCTTACAGAAAATGCAGGCACAGTGAGACAGATGCTGGAGTCC  
 AAAAGAAATGTAAGCGAGAGTGCACCACCATCCTTTCAAACCTCTGTGAATACAGTATCT  
 TCAACCAATCTTGTCACTCCTCCAGCAGTTGTCAGTAGTCAACCTAAATTGCAGACTCCA  
 GTGACTTCGGGTTCCCTCACAGCAACGTCAGTTCTTCTGCACCAATACAGCTACTGTA  
 GTTGTACTACTCAGGTGCCTAGTGAAATCCCCAGCCTACAATCTCTTTACAGCCTTTG  
 CCAGTGATTTTGCATGTACCTGTTGCAGTATCCTCCCAGCCTCAGCTTCTACAGAGCCAT  
 CCAGGGACTTTGGTGACTAATCAACCATCTGGCAATGTTGAATTCATTTCTGTGCAAAGC  
 CCACCTACAGTGAGTGGTCTTACAAAAATCCAGTATCCTTGCCATCCTTGCCAAATCCC  
 ACTAAACCAAACAACGTTCTTCTGTGCCAGTCTAGTATTCAAAGGAACCCCTACTGCC  
 AGTGCTGCACCATTGGGAACAACACTTGCTGTGCAGGCTGTTCCAACAGCACACTCTATT  
 GTACAAGCCACAAGGACTTCTTTACCCACAGTGGGCCCATCAGGACTCTATAGTCCATCA  
 ACTAATCGAGGTCCTATACAGATGAAAAATCCAATTTCTGCATTTAGTACTTCGTCGTCT  
 GCAGAACAGAACGCAATACCACCCAAGAATTGAAAACCAGACAACAAAAACAATAGAT  
 GCTTCTGTGAGTAAAGAAAGCAGTGTATGACACATCACAGTGTGGAAAAGCCACTGGCAGT  
 GATTCAGTGGTGTCAATGATCTACAATGGATGATGAAGAGAGTGGAGCTTCAACAAGAC  
 CCCAAAAAATAAATCACACTCCTGTATCAACCATGAGTTCTTCTCAGCCTGTGTACGGA  
 CCATTGCAACCCATAACAACAGCACCGCTCTTCAACCATCTGGGGTGCCAAACAAGTGA  
 CCATCTCAGACCACCATACACTTACTACCTACAGTCCAACCTACCGTGAATGTAACACAT  
 CGTCCAGTAACTCAGGTGACCACAAGACTCCCTGTACCAAGAGCTCCTGCAAACCACCAG  
 GTGGTTTATAACAATCTTCTGCACCACCAGCTCAGGCTCCCTTGCAGGAACTGTTATG  
 CAGGCTCCTGCTGTTCCGGCAGGTCAATCCCCAAAATAGTGTACAGTTCGAGTGCCTCAA  
 ACAACCACATATGTTGTAACAATGGACTAACCCTGGGATCAACAGGACCTCAGCTCACA  
 GTGCATCACCGACCACCACAAGTGCATACTGAGCCCCACGCCCGTGCACCCAGCACCC  
 TTACCAGAAGCTCCACAACCACAGCGTCTGCCCCAGAAAGCTGCCAGCACATCTCTGCCT  
 CAGAAGCCACACTTGAAGTTAGCACGCGTTAGAGTCAAATGGCATAGTACTGTATG  
 AGTGTCTTGGAGGTGGATCGAAGCTGTGCCACTGTTGATAGTACCATCTCTATGCTTAC  
 CATGAGGAACCCAGTGCCACTGTGCCCTACAATGGAAAAAGATTGGGGAAGTCAAGGCA  
 CTTCCCTTGCCCATGGCATGACTCTCACCCAGTTTGTATCTGGTAGCAAATACTACTTT  
 GCAGTACGAGCCAAGGATATTTATGGACGTTTTGGGCCTTCTGTGATCCTCAGTCAACA  
 GATGTGATCTCTTCTACCCAGAGCAGTTAA

- Restriction Sites:** Please inquire
- ACCN:** NM\_018179
- Insert Size:** 9700 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:** The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_018179.3</a> , <a href="#">NP_060649.3</a>
<b>RefSeq Size:</b>	4661 bp
<b>RefSeq ORF:</b>	3813 bp
<b>Locus ID:</b>	55729
<b>UniProt ID:</b>	<a href="#">Q6VMQ6</a>
<b>Cytogenetics:</b>	12p13.1
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>ATF7IP is a multifunctional nuclear protein that associates with heterochromatin. It can act as a transcriptional coactivator or corepressor depending upon its binding partners (summary by Liu et al., 2009 [PubMed 19106100]).[supplied by OMIM, Nov 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus than isoform 1. 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>