

Product datasheet for **SC318578**

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: ATF7IP
Synonyms: AM; ATF-IP; MCAF; MCAF1; p621
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_018179, the custom clone sequence may differ by one or more nucleotides

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ATGGACAGTTTAGAAGAACCTCAGAAAAAGTCTTTAAGGCTCGAAAAACGATGAGAGTG
AGTGATCGTCAGCAACTTGAAGCAGTGTACAAGGTCAAAGAAGAACTGTTGAAAACGAT
GTCAAGCTGTTAAATGGCAACCATGAAAATGGAGATTTGGACCAACCTCACCTTTGGAA
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CCTGAAGGAAGTAAAGCAGAATGGAAGGAAACACCCTGTATCCTAAGTGTAAATGAAAA
AACCAAGCAGGATGATGATTTAAATTGTGAACCTTTGTCTCCCATATAAATCCAGAA
CCAGTCTCTAAACTGCCTGCTGAACCAGTTTCTGGTGATCCAGCCCTGGTGATCTGGAT
GCCGGAGATCCAGCCTCCGGAGTACTGGCCTCTGGTGATCCACCTCTGGTGATCCACCC
TCTAGCGAGCCCTCCTCTAGTGATGCTGCCTCTGGTGATGCAACCTCTGGTGATGCCCT
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TCTGGTGATCCCACCTCTAGTGATCCCATCCCAGGTGAACCGGTCCCTGTTGAACCCATT
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GACATGGACAATGTACAGTCTAAACGTCGTCGATATATGGAAGAAGAATATGAGGCAGAA
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TTTCAAGTAAAGATTACAGCCAAAGGAGACATTAACCAGAACTTCAAAGGTTATACAG
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GACCCCAAAAACTAAATCACACTCCTGTATCAACCATGAGTTCTTCTCAGCCTGTGTCA
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GCACTTCCCTTGCCATGGCATGTACTCTACCCAGTTTGTATCTGGTAGCAAATACTAC
TTTGACAGTACGAGCCAAGGATATTTATGGACGTTTTGGGCCTTTCTGTGATCCTCAGTCA
ACAGATGTGATCTCTTACCCAGAGCAGT

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- Restriction Sites:** Please inquire
- ACCN:** NM_018179
- 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: [NM_018179.3](#), [NP_060649.3](#)

RefSeq Size: 4661 bp

RefSeq ORF: 3813 bp

Locus ID: 55729

UniProt ID: [Q6VMQ6](#)

Cytogenetics: 12p13.1

Protein Families: Transcription Factors

Gene Summary: 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]
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.