

## Product datasheet for **SC337869**

### **MCAF1 (ATF7IP) (NM\_001286515) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MCAF1 (ATF7IP) (NM_001286515) Human Untagged Clone
Tag:	Tag Free
Symbol:	MCAF1
Synonyms:	AM; ATF-IP; MCAF; MCAF1; p621
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286515, the custom clone sequence may differ by one or more nucleotides

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ATGGACAGTTTAGAAGAACCTCAGAAAAAGTCTTTAAGGCTCGAAAAACGATGAGAGTGAGTGATCGTC
AGCAACTTGAAGCAGTGTACAAGGTCAAAGAAGAACTGTTGAAAACGATGTCAAGCTGTTAAATGGCAA
CCATGAAAATGGAGATTTGGACCAACCTCACCTTTGGAAAACATGGATTACATTAAGACAAGGAAGAG
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TCCTAAGTGTAAATGTAAAAACAAGCAGGATGATGATTTAAATTGTGAACCTTTGTCTCCCATATAAT
AACTCCAGAACCAGTCTCTAAACTGCCTGCTGAACCAAGTTCTGGTGATCCAGCCCCTGGTGATCTGGAT
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CCTCCTCTAGTGATGCTGCCTCTGGTGATGCAACCTCTGGTGATGCCCTTCTGGTGATGTGCCCTGG
TGATGCCACCTCTGGTGATGCCACTGCTGATGATCTCTCCTCTGGTGATCCCACCTCTAGTGATCCCATC
CCAGGTGAACCGTCCCTGTTGAACCCATTTCTGGTGATTGTGCCGCTGATGATATAGCCTCTAGTGAAA
TAACCTTCTGTTGATCTGGCTTCTGGAGCACCAGCTTCCACTGATCCAGCCTCTGATGATCTGGCCTCTGG
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TCTGAATCAACCTTTGATCGTACCTTTGAACCAAAGTCTGTACCAGTTTGTGAACCAAGTTCTGAAATTG
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GGAAGAGAAAAATGAAAGTTCTTTTGGTTCACCATCTAAACAAGAAAGTAGTGAGAGTTTGCCAAAAGAA
GCCTTTCTGGTCTCTCTGATGAAGAGGATATTTCCGGTGAAAAAGATGAGTCTGAAGTTATATCGCAA
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ACATGAAGATGATGAAAGACCTTCTGAGAAAAATGAATTTCTAGACGAAAACGTTCTAAATCAGAAGAC
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TGCGCTGCAGTGTGCTGTATTTGATAAGACTTTGGCAGAAATTGAAAACACGAGTGGAAAAGATTGAATGT
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CAGCCAAAAGAAGATCTTAAGAAAAGACATGAACATCCACCAACCCACCAGTATCACCAGGAAAACTGT
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AAAAGAAATGTAAGCGAGAGTGCACCACCATCTTTCAAACCTCCTGTGAATACAGTATCTTCAACCAATC
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AGCAACGTGAGTCTTCTCCTGCACCCAATACAGCTACTGTAGTTGCTACTACTCAGGTGCCTAGTGGAAAT
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TGTGCAAAGCCCACCTACAGTGAAGTGGTCTTACCAAAAAATCCAGTATCCTTGCCATCCTTGCCAAATCCC
ACTAAACCAAACAACGTTCTTCTGTGCCAGTCTAGTATTCAAAGGAACCCCTACTGCCAGTGTGCAC
CATTGGGAACAACACTTGTGTGAGGCTGTTCCAACAGCACACTCTATTGTACAAGCCACAAGGACTTC
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CCAATTTCTGCATTTAGTACTTCGTCTGCTGCAGAACAGAACAGCAATACCACCCCAAGAATTGAAAACC
AGACAAACAAAACAATAGATGCTTCTGTGAGTAAGAAAGCAGCTGATAGCACATCACAGTGTGAAAAGC
CACTGGCAGTGATTCAAGTGGTGTCAATTGATCTCAAAATGGATGATGAAGAGAGTGGAGCTTACAAGAC
CCCAAAAACTAAATCACACTCCTGTATCAACCATGAGTTCTTCTCAGCCTGTGTACGACCATTGCAAC
CCATACAACCAGCACCGCCTCTTCAACCATCTGGGGTGCCAAAGTGGACCATCTCAGACCACCATACA
CTTACTACCTACAGCTCCAACCTACCGTGAATGTAACACATCGTCCAGTAACTCAGGTGACCACAAGACTC
CCTGTACCAAGAGCTCCTGCAAACCACCAGGTGGTTTATACAACCTTCTCCTGCACCACCAGCTCAGGCTC
CCTTGCAGGAACTGTTATGCAGGCTCCTGCTGTTGCGGAGGTCAATCCCAAAAATAGTAAGAGATTTTT
CTGTATATGGCCCAAGATACATGAG
    
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001286515
- 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\\_001286515.1](#), [NP\\_001273444.1](#)
- RefSeq Size:** 4413 bp
- RefSeq ORF:** 3318 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 (4) differs in both the 5' and 3' UTRs and contains multiple differences in the coding region, compared to variant 1. It initiates translation at a downstream in-frame start codon. The encoded isoform (4) has a distinct C-terminus and is shorter than isoform 1.