

Product datasheet for SC332305

MCAF2 (ATF7IP2) (NM_001256160) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MCAF2 (ATF7IP2) (NM_001256160) Human Untagged Clone
Tag: Tag Free
Symbol: MCAF2
Synonyms: MCAF2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332305 representing NM_001256160.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCAAGTCCAGATAGAAGTAAACGGAAGATATTTAAAGCCAAAAGACAATGCCCTAAGTTGCCGG
AAGCAAGTAGAGATGCTGAATAAGTCAAGGAATGTTGAAGCGCTGAAAACAGCAATTGGGAGTAATGTT
CCAAGCGGTAATCAGAGTTTCAGTCCTAGTGTCATACTAGGACGACTGAAATAACCAATGTAGCCCT
TCTGAAAATGGTGCATCCTCATTGGACTCTAATAAAAAATCAATATCAGAGAAAAGTAAAGTATTCTCT
CAGAATTGCATAAAACAGTAGAAGAAATGTTTCATTGAGAAACAAAATGGAACAAGTTGTTTGTTCG
TACCAAAAGCCAAGTAGAACAACAGAATCCCCAGCAGAGTCTTCACAGAAGAGGCAAAAGATTCAGT
AACACTTCTGAAAACGATTCTGAGCATCAGACAAATGTAACAAGATCCCTTTTGTAGCATGAGGGGGCT
TGTAAGTCTAAAGTCCAGTTGCTGTCCACCCAGTGTATTGAGTGGTGTGTTTCAGATGCCAGAGTCTACA
GTAACCAAGTACCGTGGGTGACAAGAAAAGTACCAGATGGTTTTCCATTTAGAAACAACTCCAATTCA
GAATCACATGATAAAAGGCAAAAGTGACAACATTTTATGTTTCAGAAAGACTCAGGTTTTGTGCTGTTGAG
AAAACACCTAATTTGGTGAATTCAGTCACTTCTAACAAGTGTGCTGATGACATTTTGAAGTGTGAG
TGTAAGTAGAACCAAGTATTTCAAATTTGTGAAAGTGCAGACTCAACATGGCAGTCATCACTTGACACTAAT
AACAACAGCCATTATCAAAGAAGAGGATGTTTTGAGAAACGAGGAAAATGTTAAACGCATGAAAAGT
TCAGAGCAAAATTAATGAAAATATTTGTGAAGTTTGGAAAGGCAACAGCATTCTGGAACAGGTCAGA
CATTTGATTGAGCAGGAGATCTATAGCATAAATTAATGAACTATTTGATAAGAAAAGTAAAAGAAATGAAC
CAACGCATTGGGAAGACAGAGTGCAGAAATAAGCATGAAGGAATAGCTGATAAACTTTTGGCAAAAATA
GCAAAAGTCTCAAAGACGTATTAACACAGTATTATTATTTCAAAGGAATGTTTGAACCAAAACATGTTA
TCCAGTAATGGAGCCTCTAAGGTTGCAAAATTCAGAGGCTATGATTTTGGATAAGAATCTTGAGTCAGTT
AATAGTCCAATTGAAAAGTCTTCTGTGAATTATGAGCCTTCTAACCTTCCGAAAAGGAAGTAAAAAA
ATTAATTTGTCATCAGATCAAAATAAGTCTGTTTCTGAAAGTAACAATGATGATGTTATGTTGATTTCT
GTGGAAAGTCCTAATTTGACAACCTCAATTACATCAAATCCAACAGATACCAGAAAAATTACATCAGGA
AATTCTAGCAATTCTCCCAATGCTGAAGTTATGAAAGTCCAGTATCCCCCTGGAGTCACATTCGAAAG
CTGCTTCAAAGTCAAAGGAAACACCCCATTTGGCACAATGCAGTCCAGGTTCTGAGTCTTTGAGC
ACCTGCCACCTCTCCAGAACCAACAGCACCACCTACCTGAATTAG
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001256160


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Insert Size:	1632 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).
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_001256160.1</u>
RefSeq Size:	3653 bp
RefSeq ORF:	1632 bp
Locus ID:	80063
UniProt ID:	<u>Q5U623</u>
Cytogenetics:	16p13.2-p13.13
MW:	60.9 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 (2) lacks an exon in the coding region, which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.