

## Product datasheet for **RC239975**

### **MCAF1 (ATF7IP) (NM\_001286515) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MCAF1 (ATF7IP) (NM_001286515) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ATF7IP
Synonyms:	AM; ATF-IP; MCAF; MCAF1; p621
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC239975 representing NM_001286515 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGACAGTTTGAAGAACCCTCAGAAAAAGTCTTTAAGGCTCGAAAAACGATGAGAGTGAGTGATCGTC  
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TCCTAAGTGTTAATGTAAAAACAAGCAGGATGATGATTTAAATTGTGAACCTTTGTCTCCCATATAT  
AACTCCAGAACCAGTCTCTAAACTGCCTGCTGAACCAGTTTCTGGTGATCCAGCCCTGGTGATCTGGAT  
GCCGGAGATCCAGCCTCCGGAGTACTGGCCTCTGGTGATCCACCTCTGGTGATCCACCTCTAGCGAGC  
CCTCCTCTAGTGATGCTGCCTCTGGTGATGCAACCTCTGGTGATGCCCTTCTGGTGATGTGCCCTGG  
TGATGCCACCTCTGGTGATGCCACTGCTGATGATCTCTCCTCTGGTGATCCACCTCTAGTGATCCATC  
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TAACTTCTGTTGATCTGGCTTCTGGAGCACCAGCTTCCACTGATCCAGCCTCTGATGATCGCCCTGG  
TGATCTATCCTCTAGTGAACCTGGCCTCTGATGATCTGGCCACTGGTGAACCTGGCCTCTGATGAGCTGACT  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC239975 representing NM\_001286515  
 Red=Cloning site Green=Tags(s)

MDSLEEPQKKVFKARKTMRVSDRQQLAVYKVKKEELLKTDVKLLNGNHENGDLDPSTPLENMDYIKDKEE  
 VNGIEEICFDPEGSKAEWKETPCILSVNVKNKQDDDLNCEPLSPHNITPEPVSKLPAEPVSGDPAPGDL  
 AGDPASGVLASGDSTSGDPTSSPSSDAASGDATSGDAPSGDVSPGDATSGDATADDLSSGDPTSSDPI  
 PGEPVPVEPISGDCAADDIASSEITSVDLASGAPASTDPASDDLASGDLSSSELASDDLATGELASDEL  
 SESTFDRTFEPKSVPCPEVPEIDNIEPSSNKDDDFLEKNGADEKLEQIQSKDSLDEKNKADNNIDANEE  
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 AFLVLSDEEDISGEKDESEVISQNETCSPEVESNEKDNKPEEEEEQVIHEDDERPSEKNEFSRRKRKSKED  
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 NKRHKTVLTELQAKIARLTKRFEAAKEDLKRHEHPPNPPVSPGKTVNDVNSNNMSYRNAGTVRQMLE  
 KRNVSSEAPPSFQTPVNTVSSTNLVTPPAVSSQPKLQTPVTSGLTATSVLPAAPNTATVVATTQVPSGN  
 PQPTISLQPLPVILHVPVAVSSQPLLQSHPGTLVTNQPSGNVEFISVQSPPTVSLTKNPVSLPSLNP  
 TKPNNVSPVSPSPSIQRNPTASAAPLGTTLAVQAVPTAHSIVQATRTSLPTVGPGLYSPSTNRGPIQMKI  
 PISAFSTSSAAEQSNTPRIENQTNKIDASVSKKAADSTSQCCKATGSDSSGVIDLTMDEESGASQD  
 PKKLNHTPVSTMSSQPVSRPLQPIQPAPPLQPSGVPTSGPSQTTIHLLPTAPTTVNVTHRPVTQVTTRL  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

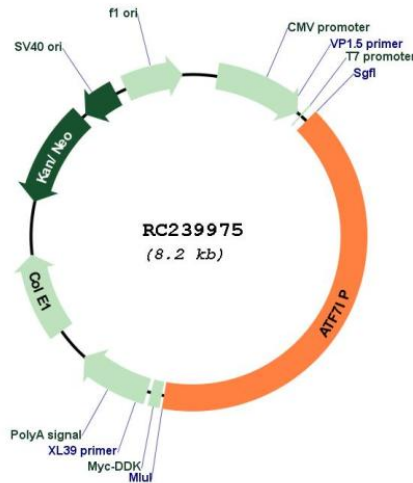
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001286515

ORF Size: 3315 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<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>	<u>NM_001286515.2</u>
<b>RefSeq Size:</b>	4413 bp
<b>RefSeq ORF:</b>	3318 bp
<b>Locus ID:</b>	55729
<b>UniProt ID:</b>	<u>Q6VMQ6</u>
<b>Cytogenetics:</b>	12p13.1
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	119.1 kDa
<b>Gene Summary:</b>	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]