

Product datasheet for **SC122647**

TFAP4 (NM_003223) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TFAP4 (NM_003223) Human Untagged Clone
Tag:	Tag Free
Symbol:	TFAP4
Synonyms:	AP-4; bHLHc41
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_003223 edited
CTCGCCGCGCCGCCGCCGACATCTGGGACCGGCCGATTCTGCACCTCCGTCCGGCG
CTGCCCTTTGATTTCGATTTCCATCTTGCATTCTCCGGTGATCGCGGGACCTGGCTCGT
GCAGAGGAGGGGGCCGATCGCTATGGAGTATTTATGGTGCCTACTCAGAAGGTGCCCT
CTTTGCAACATTTAGGAAAACAGAGAAAGAAGTATAGGAGGGCTCTGTAGCCTTGCCA
ACATTCCACTAACCCCGAGACTCAGCGGGACCAGGAGCGGGGATTTCAGTCCCTCAAGA
CCAACAGCAACGAGCGGAGACGCATGCAGAGCATCAACGCGGGATTCCAGTCCCTCAAGA
CCCTCATCCCCACACAGACGGAGAGAAGCTCAGCAAGGCAGCCATTCTCCAGCAGACAG
CCGAGTACATCTTCTCCCTGGAGCAGGAGAAGACCAGGCTCTTGCAGCAGAACACACAGC
TCAAGCGCTTCATCCAGGAGCTGAGCGGCTCGTCCCCAAGCAGCGCGGGCAGAGGACA
AGGACGAAGGCATAGGCTCCCCGGACATCTGGGAGGACGAGAAGGCGGAGGACCTGCGGC
GGGAGATGATTGAGCTGCGGCAGCAGCTGGACAAGGAGCGCTCGGTGCGCATGATGCTGG
AGGAGCAGGTGCGCTCGCTGGAGGCCACATGTACCCGAAAAGCTCAAGGTGATTGCGC
AGCAGGTGCAGCTGCAGCAGCAGGAAACAGGTGAGGCTGCTGCACCAGGAGAAGCTGG
AGCGGGAACAGCAGCAGCTGCGGACCCAGCTTCTGCCCTCCGCGCCCCACCCACCACC
CCACGGTGATCGTGCCAGCACCGCTCCTCCTCCCTCCACCACATCAATGTCGTACCA
TGGGCCCTCCTCGGTCACTCACTGTGTTCCACATCCCGGCAAAATCTGGACACCATCG
TGCAGGAATCCAGCACATCGAGGGCACCCAGGAAAAGCAGGAGCTGGAGGAGGAGCAGC
GGCGAGCTGTCATCGTGAAGCCTGTCCGCAGCTGCCCGGAGGCCCCACCTCTGACACCG
CCTCCGACTCCGAGGCCTCAGACAGTGACGCCATGGACCAGAGCCGGGAGGAGCCGTCGG
GGGACGGGGAGCTTCCCTGACTACCCCCAGCCCTCCTCCTTCTGGGGGCTGGAGG
GAGCCGGGGCAGCCACAGGGAGAGACATGGGCGAATGAGTGAGAAATTTTACAAAATTA
CGATGTCATTTGGGTCTCTTTTATGACCTCTTTTTCAACTGTAAATCGACCTTTGAC
GAAGCCACTCAACCCGAGGTCCCGGGGCTGGGGTGTGCGAGAGCGTGTGGGAGCATCGGC
ACCCAGGGCGGGCCTCGGCCCGGGGCTGGAGGAAGCTGACACGGAGATGCCTGGCC
TCTCTCTGCCAAAAGCATTTTTTCTTTAAATATGTTTTTAAAGAACAGGAAAATTA
ACAAAACCCAGGTTATTTCTTCCCTGCCAGAGCCAGCCTGGGATTGTCAGCCTCAAT
CCCCTTCTCCTCTTTTTGGTTTTCTTTCTCTTTAAGCACTTACATGTTGGG
GGTAAGACTAGGCTGGGGCATTCTGGGGCCCGGAGGTCTCCGTTGCTTCTTGGTTGGG
TTTGCTGCTGCTGTGCCCTCCCTTCCCCATCTCGGCACTAGAATTCGCCACTCTC
CCACCCCGAGCCCCACCTCTGCCTCCAGGTCTCATCTCCACCCCAAAATGTCTGTC
TCTCTCTTTTTGTTTTGTTGTTGTTTTTTATTTCTTTTTGGTTTGCTTTCTGTTT
TTGTTTTGTTTTCTTTTTTTCTTTTTTTTTTTTTTTTACAATTTGAGGTCTTCG
TGTTCAAGGAGAAGCTATTATATTTGTTAAGAAAAGTGGGGAGAAAAAACAAGAGGCC
ACCGTGCTTTGTAAAGAAACAAAATAAAGTTTGTACTTTGTTAAAAAATAAAAAA
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_003223 unedited
NCCGGGTCGAATTTGTATACGACTCATATAGGGCGGCCGGAATCAAATCTGGTACCGGT
CCGGAATTCGCGGATATCGTTCGACCCACGCGTCCGCTCGCCGCGCCGCGCCGCGCAGC
ATCTGGGACCGCGGATTCTGCACCTCCGTCGCGCTGCCCTTTGATTTCGATTTCCAT
CTTGCACTCTCCGGTGATCGCGGGACCTGGCTCGTGCAGAGGAGGGGGCCGATCGCTA
TGGAGTATTTATGGTGCCTACTCAGAAGGTGCCCTCTTTGCAACATTTAGGAAAACAG
AGAAAAGAAGTATAGGAGGGCTCTGTAGCCTTGCCAACATTTCACTAACCCCGAGACTC
AGCGGGACCAGGAGCGGGGATTTCGCGGGAGATCGCCAACAGCAACGAGCGGAGACGCA
TGCAGAGCATCAACGCGGATTCCAGTCCCTCAAGACCCTCATCCCCACACAGACGGAG
AGAAGCTCAGCAAGGCAGCCATTCTCCAGCAGACAGCCGAGTACATCTTCTCCCTGGAGC
AGGAGAAGACCAGGCTCTTGCAGCAGAACACACAGCTCAAGCGCTTCATCCAGGAGCTGA
GCGGCTCGTCCCCAAGCAGCGCGGGCAGAGGACAAGGACGAAGGCATAGGCTCCCCGG
ACATCTGGGAGGACGAGAAGGCGGAGGACCTGCGCGGGAGATGATTGAGCTGCGGCAGC
AGCTGGACAAGAGCGCTCGGTGCGCATGATGCTGGANGAAGCAGTGCCTCGCTGGAGGC
CCACATGTACCCGAAAAGCTCAAGGTGATTGCGCAGCAGGTGCAGCTGCAGCAGCAGCA
GGAACAGGTGGAGGCTGCTGCACCAGGAAAGCTGGGAGCGGGAACAGCAGCAGCTGCGG
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Restriction Sites:	Please inquire
ACCN:	NM_003223
Insert Size:	2000 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:	<ol style="list-style-type: none">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_003223.1</u> , <u>NP_003214.1</u>
RefSeq Size:	2149 bp
RefSeq ORF:	1017 bp
Locus ID:	7023
UniProt ID:	<u>Q01664</u>
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	Transcription factors of the basic helix-loop-helix-zipper (bHLH-ZIP) family contain a basic domain, which is used for DNA binding, and HLH and ZIP domains, which are used for oligomerization. Transcription factor AP4 activates both viral and cellular genes by binding to the symmetrical DNA sequence CAGCTG (Mermod et al., 1988 [PubMed 2833704]; Hu et al., 1990 [PubMed 2123466]).[supplied by OMIM, Jul 2009]