

Product datasheet for **SC108598**

AFF4 (NM_014423) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AFF4 (NM_014423) Human Untagged Clone
Tag:	Tag Free
Symbol:	AFF4
Synonyms:	AF5Q31; CHOPS; MCEF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108598 sequence for NM_014423 edited (data generated by NextGen Sequencing)

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ATGAACCGTGAAGACCGGAATGTGCTGCGTATGAAAGAACGGAAAGCGGAATCAGGAA
ATTCAGCAGGGCGAAGACGCCTTCCCACCTAGCTCCTCTCTTTGCAGAGCCATACAAA
GTTACTAGCAAAGAAGATAAGTTATCAAGTCGTATTCAGAGTATGCTTGAAACTACGAT
GAAATGAAGGATTTTCATAGGAGACAGATCTATACCAAAGCTTGTGCAATCCCAAGCCT
ACAGTACCACCATCAGCAGATGAAAAATCTAACCCAAATTTCTTTGAACAGAGACATGGA
GGCTCTCATCAGAGTAGCAAATGGACTCCAGTAGGACCCGCACCCAGCACTTCTCAGTCT
CAGAAACGGTCTCAGGTTACAGAGTGGACATAGTAGCCAGCGGACCAGCGCAGGTAGC
AGTAGTGGCACTAACAGTAGTGGTCAGAGGCACGACCGTGAGTCATATAACAATAGTGGG
AGCAGTAGCCGAAAAAAGGCCAGCATGGATCAGAACACTCCAAATCACGTTCTTCCAGC
CCTGAAAAACCCAGGCTGTTTCTTCAATAACTCTAGTCATTCCAGGTCTCATGGGAAT
GATCACCATAGCAAGGAACATCAACGCTCCAAATCACCTCGGGACCTGTGCAAATGG
GATTCTCCTTCCCGTGTACCTTTTTCAAGTGGGCAGCACTCAACTCAATCTTTCCACCC
TCATTGATGTCAAAGTCCAATTCATGTTACAGAAACCCACTGCCTATGTGCGGCCCATG
GACGGACAGGAGTCCATGGAACCAAGCTGTCTCTGAGCACTACAGCAGCCAATCCCAT
GGCAACAGCATGACTGAGCTGAAGCCAGCAGCAAAGCACATCTACCAAGCTGAAAATA
CCTTCCCAACCACTGGATGCATCAGCTTCTGGTGTGTGAGCTGTGTGGATGAAATCCTA
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GGCTACAAAAAGGAAGGCCGAGAGCAGGGCACTGGGAATAGCTACACTGATACAAGTGG
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CAGGAATCCAAAATCCCCATTCCCTATGTATTGAGAGACGGTGGATCTCATCAAATACACT
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CTGTCACCAGGCAATTCAGGAAATTATTCATCTGGGGCCAGTAGTCTTCTGCAAGTGGT
TCTTCAGTGACCATTCCACAGAAGATCCACCAGATGGCAGCCAGCTATGTTCCAGGTACA
TCCAATCTCTCTATGCCACCGAAATTTGGGACCAAGCTGAACAGCTTTCCAAGAGCAA
AAAGAATCTTTGCTGAACTGGATAAAGTAATGGGCCCTCTCATCTTTAATGCAAGCATC
ATGACAGATCTAGTTCGTTATACCCGGCAGGGACTGCACTGGCTTCGCCAGGATGCCAAG
TTGATATCTTGA
    
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Clone variation with respect to NM_014423.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_014423 unedited
CCAGCGAATTCGGCACGAGCTGGAGGGAATCTAGAGCATCAGCAAAGCTGAGGTCAAAC
ACCGTAAGGATGGACACCAAGGAAGCTGTGTTTGGGACAAAAAGAAATCAAGATAAGCAA
CATGAACCGTGAAGACCGGAATGTGCTGCGTATGAAAGAACGGGAAAGGCGGAATCAGGA
AATTCAGCAGGGGCGAAGACTTTCTTCCACGTAGCTCTCCTCTCTTTCAGAGCCATAC
AAAGTTACTAGCAAAGAAGATAAGTTATCAAGTCGTATTCAGAGTATGCTTGGAAACTAC
GATGAAATGAAGGATTTTCATAGGAGACAGATCTATACCAAAGCTTGTGCAATCCCAAG
CCTACAGTACCACCATCAGCAGATGAAAAATCTAACCCAAATTTCTTTGAACAGAGACAT
GGAGGCTCTCATCAGAGTAGCAAATGGACTCCAGTAGGACCCGCACCCAGCACTTCTCAG
TCTCAGAAAACGGTCCCTCAGGCTTACAGAGTGGACATAGTAGCCAGCGGACCCAGCGCANGT
AGCAGTAGTGGCCTAACAGTAGTGGTCAGAGGCACGACCCGGAGTCATATAACAATAGT
GGGAGCAGTAGCCCGGAAAAAGGCCAGCATGGATCAAAACACTCCAAATCACGTTCTTCC
AGCCCTGGAAAACCCAGGCTGTTTCTTAACTCTAGTCATCCAGGCTCATGGGAA
TGACACCCTTGCAGGGACATCACCGCT
    
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3' Read Nucleotide Sequence:	>OriGene 3' genomic read for NM_014423 unedited ACCCGGCAGGGACTGCACTGGCTTCGCCAGGATGCCAAGTTGATATCTTGAACCTGAACAC ATTCTCGTTGCCTCTGATTTTCTCCACAACACTGTGTCACATCACGAAGGAAAACCTGCCA TAACATACCACCTAGTCGACACTAAGAATGAGGAATAGTTTTCTCCTCGTTGGTTCATGT GTTGTTGTTTTGATAATCCAAAGCGATCATGTCAGTTGGCCCTTAATATTTCCAATGT GAAAGATTATTTAAATGCTTTTAAATCTGCAGCACATTGATAAGATGGTTTCCGTGAGCT ATGATAANATTGAAATTCAGTTGCAATTCATACTAATAATGAATTGAAATTTATTTATTT TAATTTTTTT
Restriction Sites:	NotI-NotI
ACCN:	NM_014423
Insert Size:	4700 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:	NM_014423.2 , NP_055238.1
RefSeq Size:	9528 bp
RefSeq ORF:	3492 bp
Locus ID:	27125
UniProt ID:	Q9UHB7
Cytogenetics:	5q31.1
Domains:	AF-4
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene belongs to the AF4 family of transcription factors involved in leukemia. It is a component of the positive transcription elongation factor b (P-TEFb) complex. A chromosomal translocation involving this gene and MLL gene on chromosome 11 is found in infant acute lymphoblastic leukemia with ins(5;11)(q31;q31q23). [provided by RefSeq, Oct 2011]