

Product datasheet for **SC117243**

AF10 (MLLT10) (NM_004641) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AF10 (MLLT10) (NM_004641) Human Untagged Clone
Tag:	Tag Free
Symbol:	AF10
Synonyms:	AF10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_004641, the custom clone sequence may differ by one or more nucleotides

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ATGGTCTCTAGCGACCGGCCGTGTCCTGACTGGAGGACGAGGTCTCCCATAGTATGAAGGAGATGATTGGAG
GCTGTTGCGTTTGGCTCAGACGAGAGAGGCTGGGCCGAGAACCCTGCTGGTTTATTGCGACGGGCACGGCTG
CAGCGTCGCGGTGCATCAAGCTTGTATGGCATTGTTCAAGTACCCACTGGACCGTGGTTTTGCAGGAAA
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GGCACCCCACTTACACAGCTACCACCAACCCATTTCTACCATCCATGGAGATAATGCAAGTCAGAAA
GTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004641 unedited
 GTCCGAATATTTGTAATACGACTCACTTATAGGGCGGCCGCAATTCGCACCAGGGCAAA
 CCCGATGGTCTCTAGCGACCGGCCCGTGTCACTGGAGGACGAGGTCTCCCATAGTATGAA
 GGAGATGATTGGAGGCTGTTGCGTTTGTCTCAGACGAGAGAGGCTGGGCCGAGAACCCGCT
 GGTTTATTGCGACGGGCACGGCTGCAGCGTCGCGGTGCATCAAGCTTGCTATGGCATTGT
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 NCTCTCACTCTCAGGATAAACATCNNTGAGAAGAGAAAAAAAATTTAANGAGAAGGACA
 AACCCCAACCGNAACCCAGAAGCAGCCCGGACCATCACCTGCATTGGGTCCCATCCTTG
 ACTGTTACTACCGAAAACTTATCCAGCCCTAGNCACAACCTCTTTATCTGATCATTGAG
 CCCTTGAAGATCTACTGCCCGATTTACAATGCAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004641 unedited
 GTACCGCGGCACGCAATCTATAACTCGAGTTTTTTTTTTTTTTTTTATAAACATTATTA
 AATTTTATTAACAAAACATTTTGTACATTTTAATACATGTGGAATTTTACATCTAGGTAA
 AATAACAACACATTCAAATTTACCATTTATACAACTGTTACAGAATAACAACCAAGTGG
 GTTAAATAAGTAAATAAACCACTGATTTTTTAAATTAATCTACAAAAGATTTGACTTT
 AAAATTCCTGAACATATAAAAATAAATTAATTTTACTTTTCAATTAATCTACCAATT
 AGAAATATTACAAATCAAATATCAATGTTATCTTATGAATTTGTCAATAACAAAACAG
 ATTCACAAAACTTATTTACAGAAATGAGGTAAGAAGTGTGCAATGTTTAAACCAAGAAAC
 ATATTGCAGAATTAACATGTTCTTCCAGCTAAGTACACAGTGGGAGGTCTAATTACAGCT
 GGGTCTTTTCCACTAATATTTACACACACAAAGAAGAGTTTGATGATGACATNCCTAAAG
 GGGGATCACTCTGCGGACCTGGCACATAAAAGCGGGGCTCCCCAAAGGGAAGGGCTGG
 AAACAAGGTTACCTGGTTAAGAACCTTTTGGGGAGCTTTAAGGGCAATAGGGGAAGGGG
 TAAAAATAAAAAATTTTTTTTACAAATCCCCCTTTTTTTGGGCCTTTTGGGTAAACCCGG
 GGATATTTGGCCGTTTTTCCCGGGCAAAAATTTTTTAAAGGGGACGGTGAGGGCGTGG
 GGGGGGATTCCGCCGCGAGAAGGGAAGCCACCCGTTGTTGCGCTCGTGCATTGAGGG
 TTGTAAGGTAACCCCGCCCTCACTCTTTCTTGGCCCAACCAACAAGACTCTCC
 CACGCTCCCCGTGAACCTGTTCAATGGGGCCACTCAGTGCNCTCAAATTTCTATAGT
 TCCTCCCAT

Restriction Sites:

NotI-NotI

ACCN:

NM_004641

Insert Size:

4610 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: [NM_004641.2](#), [NP_004632.1](#)

RefSeq Size: 5140 bp

RefSeq ORF: 3084 bp

Locus ID: 8028

UniProt ID: [P55197](#)

Cytogenetics: 10p12.31

Domains: PHD

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene encodes a transcription factor and has been identified as a partner gene involved in several chromosomal rearrangements resulting in various leukemias. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2010]

Transcript Variant: This variant (1) encodes isoform a.