

## Product datasheet for **SC327694**

### EV11 (MECOM) (NM\_001163999) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EV11 (MECOM) (NM_001163999) Human Untagged Clone
Tag:	Tag Free
Symbol:	MECOM
Synonyms:	AML1-EVI-1; EVI1; KMT8E; MDS1; MDS1-EVI1; PRDM3; RUSAT2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001163999, the custom clone sequence may differ by one or more nucleotides

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ATGAAGAGCGAAGACTATCCCCATGAAACTATGGCGCCGATATCCACGAAGAACGGCAA
TATCGCTGCGAAGACTGTGACCAGCTCTTTGAATCTAAGGCTGAACTAGCAGATCACCAA
AAGTTTCCATGCAGTACTCCTCACTCAGCATTTTCAATGGTTGAAGAGGACTTTAGCAA
AAACTCGAAAGCGAGAATGATCTCCAAGAGATACACAGTCCAGGAGTGAAGGAATGT
GACCAAGTTTTCTGATTTGCAAAGCCTGGAGAAACACATGCTGTACATACTGAAGAG
AGGGAATAACAAGTGTGATCAGTGTCCCAAGGCATTTAACTGGAAGTCCAATTTAATTCGC
CACCAGATGTCACATGACAGTGGAAAGCACTATGAATGTGAAAAGTGTGCCAAGCAGGTT
TTCACGGACCCTAGCAACCTTCAGCGGCACATTCGCTCTCAGCATGTCGGTGCCCGGCC
CATGCATGCCCGGAGTGTGGCAAACGTTTGCCACTTCGTCGGGCCTCAAACAACAAG
CACATCCACAGCAGTGTGAAGCCCTTATCTGTGAGGTCTGCCATAAATCCTATACTCAG
TTTTCAAACCTTTGCCGTCATAAGCGCATGCATGCTGATTGCAGAACCCAAATCAAGTGC
AAAGACTGTGGACAAATGTTTCAGCACTACGTCTTCCTTAAATAAACACAGGAGGTTTTGT
GAGGGCAAGAACCATTTTGGCGCAGGTGGATTTTTGGCCAAGGCATTTCACTTCCTGGA
ACCCAGCTATGGATAAAACGTCCATGGTTAATATGAGTCATGCCAACCCGGGCTTGCT
GACTATTTGGCGCCAATAGGCATCCTGCTGGTCTTACCTTTCCAACAGCTCCTGGATTT
TCTTTTAGCTTCCCTGGTCTGTTTCCCTCCGGCTGTACCACAGGCCTCCTTTGATACCT
GCTAGTTCTCCTGTTAAAGGACTATCAAGTACTGAACAGACAAAAGTCAAAGTCCC
CTCATGACACATCCTCAGATACTGCCAGCTACACAGGATATTTTGAAGCACTATCTAAA
CACCCATCTGTAGGGGACAATAAGCCAGTGGAGCTCCAGCCGAGAGGTCTCTGAAGAG
AGGCCCTTTGAGAAAATCAGTGACCAGTCCAGAGAGTAGTGACCTTGATGATGTCAGTACA
CCAAGTGGCAGTGACCTGGAAACAACCTCGGGCTCTGATCTGGAAAGTGACATTGAAAGT
GATAAAGAGAAATTTAAAGAAAATGGTAAAATGTTCAAAGACAAAAGTAAAGCCCTTTCAG
AATCTGGCTTCAATAAATAAAGAAAAGTAAAGCAATCATTCCATTTTCTCACCATCT
TTAGAGGAGCAGACTGCGGTGTCAGGAGCTGTGAATGATTCTATAAAGGCTATTGCTTCT
ATTGCTGAAAAAATACTTTGGTTCAACAGGACTGGTGGGCTGCAAGACAAAAAAGTTGGA

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GCTTTACCTTACCCTTCCATGTTTCCCCTCCCATTTTTTCCAGCATTCTCTCAATCAATG  
TACCCATTTCTGATAGAGACTTGAGATCGTTACCTTTGAAAATGGAACCCCAATCACCA  
GGTGAAGTAAAGAACTGCAGAAGGGCAGCTCTGAGTCCCCTTTGATCTCACCCTAAG  
CGAAAGGATGAGAAGCCCTTGACTCCAGTCCCCTCCAAGCCTCCAGTGACACCTGCCACA  
AGCCAAGACCAGCCCTGGATCTAAGTATGGGCAGTAGGAGTAGAGCCAGTGGGACAAAG  
CTGACTGAGCCTCGAAAAACCACGTGTTTGGGGAAAAAAGGAAGCAACGTGCAATCA  
AGACTGCTTCAGATGGTTCCTTGACAGCATGCAAGACCCACTCCTTTCTTATGGACCCT  
ATTTACAGAGTAGAGAAAAGAAAATAACTGACCCACTTGAAGCTTTAAAAGAGAAATAC  
TTGAGGCCTTCTCCAGGATTCTTGTTTACCCACAAATGTCAGCTATTGAAAACATGGCA  
GAAAAGCTAGAGAGCTTCACTGACCTGAAACCTGAGGCCAGTGAGCTCTTACAGTCAGTG  
CCCTCTATGTTCAACTTCAGGGCGCTCCCAATGCCCTGCCAGAGAACCTTCTGCGGAAG  
GGAAAGGAGCGCTATACCTGCAGATACTGTGGCAAGATTTTTCCAAGGTCTGCAAACCTA  
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TCATTTAGCATATCTTAACTTCAAAGGCATGTTGCAACATCCACAATAAAGAGAAG  
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CTAAAGAAACATGAGAATGGGAACATGTCCGGTACAGCAACATCGTCGCCTCATTCTGAA  
CTGGAAAGTACAGGTGCGATTCTGGATGACAAAGAAGATGCTTACTTCACAGAAATTCGA  
AATTTTATTGGGAACAGCAACCATGGCAGCCAATCTCCAGGAATGTGGAGGAGAGAATG  
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GATGATGAAGAAGTTGAAGATGAGGTGTTGTTAGATGAGGAGGATGAAGACAATGATATT  
ACTGAAAAACAGGAAAGGAACCAAGTACAAGTAAATTTACATGAAGGAAACCTGAGGAT  
GACTATGAAGAAACCAGTCCCTGGAGATGAGTTGCAAGACATCCCAGTGAGGTATAAA  
GAGGAAGAATATAAAGTGGACTTCTGCTCTAGATCATATAAGGCACTTCACAGATAGC  
CTCAAAATGAGGAAAATGGAAGATAATCAATATTCTGAAGCTGAGCTGTCTTTTGTAGT  
ACTTCCCATGTGCCAGAGGAACTTAAGCAGCCGTTACACAGAAAGTCAAATCGCAGGCA  
TATGCTATGATGCTGTCCTGTCTGACAAGGAGTCCCTCCATTCTACATCCCACAGTTCT  
TCCAACGTGTGGCACAGTATGGCCAGGGCTGCGGCGGAATCCAGTGCTATCCAGTCCATA  
AGCCACGTA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001163999

**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).

**OTI Annotation:**

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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_001163999.1, NP_001157471.1</u>
RefSeq Size:	4811 bp
RefSeq ORF:	3132 bp
Locus ID:	2122
UniProt ID:	<u>Q13465</u>
Cytogenetics:	3q26.2
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Chronic myeloid leukemia, MAPK signaling pathway, Pathways in cancer
Gene Summary:	<p>The protein encoded by this gene is a transcriptional regulator and oncoprotein that may be involved in hematopoiesis, apoptosis, development, and cell differentiation and proliferation. The encoded protein can interact with CTBP1, SMAD3, CREBBP, KAT2B, MAPK8, and MAPK9. This gene can undergo translocation with the AML1 gene, resulting in overexpression of this gene and the onset of leukemia. Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]</p> <p>Transcript Variant: This variant (5) lacks a portion of the 5' UTR and 5' coding region, initiates translation at a downstream start codon, and lacks an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (d) is shorter than isoform a.</p>