

Product datasheet for **SC327693**

EV11 (MECOM) (NM_001164000) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EV11 (MECOM) (NM_001164000) 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>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001164000, the custom clone sequence may differ by one or more nucleotides

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ATGAAGAGCGAAGACTATCCCCATGAAACTATGGCGCCGATATCCACGAAGAACGGCAA
TATCGCTGCGAAGACTGTGACCAGCTCTTTGAATCTAAGGCTGAACTAGCAGATCACCAA
AAGTTTCCATGCAGTACTCCTCACTCAGCATTTTCAATGGTTGAAGAGGACTTTAGCAA
AAACTCGAAAGCGAGAATGATCTCCAAGAGATACACAGATCCAGGAGTGAAGGAATGT
GACCAAGTTTTCTGATTTGCAAAGCCTGGAGAAACACATGCTGTACATACTGAAGAG
AGGGAATACAAGTGTGATCAGTGTCCCAAGGCATTTAACTGGAAGTCCAATTTAATTCGC
CACCAGATGTCACATGACAGTGGAAAGCACTATGAATGTGAAAAGTGTGCCAAGGTTTTTC
ACGGACCCTAGCAACCTCAGCGGCACATTCGCTCTCAGCATGTGGTGGCCGGGCCAT
GCATGCCCGGAGTGTGGCAAAACGTTTGCCACTTCGTCGGGCCTCAAACAACACAAGCAC
ATCCACAGCAGTGTGAAGCCCTTTATCTGTGAGGTCTGCCATAAACTCTATACTAGTTT
TCAAACCTTTGCCGTCATAAGCGCATGCATGCTGATTGCAGAACCCAAATCAAGTGCAAA
GACTGTGGACAAATGTTCAAGCACTACGTCTTCTTAAATAAACACAGGAGGTTTTGTGAG
GGCAAGAACCATTTTGGCGCAGGTGGATTTTTTGGCCAAGGCATTTCACTTCTGGAACC
CCAGCTATGGATAAAACGTCCATGGTTAATATGAGTCATGCCAACCCGGGCTTGCTGAC
TATTTTGGCGCCAATAGGCATCCTGCTGGTCTTACCTTTCCAACAGCTCCTGGATTTTCT
TTTAGCTTCCCTGGTCTGTTTCTTCCGGCTTGTACCACAGGCCTCCTTTGATACCTGCT
AGTTCTCCTGTTAAAGGACTATCAAGTACTGAACAGACAACAAAGTCAAAGTCCCCTC
ATGACACATCCTCAGATACTGCCAGCTACACAGGATATTTTGAAGGCACTATCTAAACAC
CCATCTGTAGGGGACAATAAGCCAGTGGAGCTCCAGCCCGAGAGGTCTCTGAAGAGAGG
CCCTTTGAGAAAATCAGTGACCAGTCAAGAGTGTGACCTTGATGATGTCAGTACACCA
AGTGGCAGTGACCTGAAACAACCTCGGGCTCTGATCTGGAAAAGTGAATTGAAAGTGT
AAAGAGAAATTTAAAGAAAATGGTAAAATGTTCAAAGACAAAGTAAAGCCCTCTTCAGAA
CTGGCTTCAATAAATAAAGAAAGAATACAGCAATCATTCCATTTTCTACCATCTTTA
GAGGAGCAGACTGCGGTGTCAGGAGCTGTGAATGATTCTATAAAGGCTATTGCTTCTATT
GCTGAAAATACTTTGGTTCAACAGGACTGGTGGGGCTGCAAGACAAAAAAGTTGGAGCT

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TTACCTTACCCTTCCATGTTTCCCCTCCCATTTTTCCAGCATTCTCTCAATCAATGTAC
CCATTTCTGATAGAGACTTGAGATCGTTACCTTTGAAAATGGAACCCCAATCACCAGGT
GAAGTAAAGAAATGCAGAAGGGCAGCTCTGAGTCCCCCTTTGATCTCACCCTAAGCGA
AAGGATGAGAAGCCCTTGACTCCAGTCCCCTCCAAGCCTCCAGTGACACCTGCCACAAGC
CAAGACCAGCCCCTGGATCTAAGTATGGGCAGTAGGAGTAGAGCCAGTGGGACAAAGCTG
ACTGAGCCTCGAAAAACCACGTGTTTGGGGAAAAAAGGAAGCAACGTGCAATCAAGA
CCTGCTTCAGATGGTTCCTTGCAGCATGCAAGACCCACTCCTTTCTTTATGGACCCTATT
TACAGAGTAGAGAAAAGAAAATACTGACCCACTTGAAGCTTTAAAAGAGAAAATACTTG
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AAGCTAGAGAGCTTCAGTGCCCTGAAACCTGAGGCCAGTGAGCTTTACAGTCAGTGCCC
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AAGGAGCGCTATACCTGCAGATACTGTGGCAAGATTTTTCCAAGGTCTGCAAACCTAACA
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TTTAGCATATCTTAACCTGCAAAGGCATGTTGCAACATCCACAATAAAGAGAAGCCA
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AAGAAACATGAGAATGGGAACATGTCCGGTACAGCAACATCGTCGCCTCATTCTGAACTG
GAAAGTACAGGTGCGATTCTGGATGACAAAGAAGATGCTTACTTACAGAAATTCGAAAT
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GATGAAGAAGTTGAAGATGAGGTGTTGTTAGATGAGGAGGATGAAGACAATGATATTACT
GGAAAAACAGGAAAGGAACCAAGTACAAAGTAAATTTACATGAAGGAAACCTTGAGGATGAC
TATGAAGAAACCAAGTCCCTGGAGATGAGTTGCAAGACATCCCCAGTGAGGTATAAAGAG
GAAGAATATAAAAGTGGACTTTCTGCTCTAGATCATATAAGGCACTTACAGATAGCCTC
AAAATGAGGAAAATGGAAGATAATCAATATTCTGAAGCTGAGCTGTCTTTTAGTACT
TCCCATGTGCCAGAGAACTTAAGCAGCCGTTACACAGAAAGTCCAAATCGCAGGCATAT
GCTATGATGCTGTCACTGTCTGACAAGGAGTCCCTCCATTCTACATCCCACAGTCTTCC
AACGTGTGGCACAGTATGGCCAGGGCTGCGGCGGAATCCAGTGCTATCCAGTCCATAAGC
CACGTA
    
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Restriction Sites:

Please inquire

ACCN:

NM_001164000

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:	NM_001164000.1 , NP_001157472.1
RefSeq Size:	5740 bp
RefSeq ORF:	3129 bp
Locus ID:	2122
UniProt ID:	Q13465
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 (6, also known as EVI1_1a) differs in the 5' UTR, lacks a portion of the 5' coding region, initiates translation at a downstream start codon, and uses an alternate in-frame splice site and lacks an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (e) is shorter than isoform a.</p>