

## Product datasheet for **SC331637**

### **EVI1 (MECOM) (NM\_001205194) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	EVI1 (MECOM) (NM_001205194) Human Untagged Clone
Tag:	Tag Free
Symbol:	MECOM
Synonyms:	AML1-EVI-1; EVI1; KMT8E; MDS1; MDS1-EVI1; PRDM3; RUSAT2
Vector:	pCMV6-Entry (PS100001)



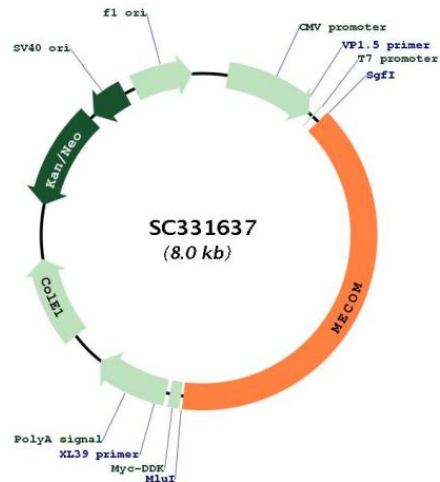
[View online »](#)

**Fully Sequenced ORF:** >SC331637 representing NM\_001205194.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAAGAGCGAAGACTATCCCCATGAACTATGGCGCCGGATATCCACGAAGAACGGCAATATCGCTGC  
 GAAGACTGTGACCAGCTCTTTGAATCTAAGGCTGAACTAGCAGATCACAAAAGTTTCCATGCAGTACT  
 CCTCACTCAGCATTTTCAATGGTTGAAGAGGACTTTCAGCAAAAACCTCGAAAGCGAGAATGATCTCCAA  
 GAGATACACACGATCCAGGAGTGAAGGAATGTGACCAAGTTTTCTGATTTGCAAAGCCTGGAGAAA  
 CACATGCTGTACATACTGAAGAGAGGGAATACAAGTGTGATCAGTGTCCCAAGGCAATTAAGTGAAG  
 TCCAATTAATTCGCCACCAGATGTCACATGACAGTGGAAAGCACTATGAATGTGAAAACCTGTGCCAAG  
 GTTTTCACGGACCCTAGCAACCTTCAGCGGCACATTTCGCTCTCAGCATGTCGGTGCCTGGCCCATGCA  
 TGCCCGGAGTGTGGCAAAACGTTTGCCACTTCGTCGGGCCTCAAACAACACAAGCACATCCACAGCAGT  
 GTGAAGCCCTTTATCTGTGAGGTCTGCCATAAATCCTATACTCAGTTTTCAAACCTTTGCCGTATAAG  
 CGCATGCATGCTGATTGCAGAACCCAAATCAAGTGCAAAGACTGTGGACAAATGTTGAGCACTACGCTCT  
 TCCTTAAATAAACACAGGAGTTTTGTGAGGGCAAGAACCATTTTGCAGGAGTGGATTTTTGGCCAA  
 GGCATTTCACTTCTGGAACCCAGCTATGGATAAAACGTCCATGTTAATATGAGTCATGCCAACCCG  
 GGCTTGTGCTGACTATTTGGCGCAATAGGCATCTGCTGGTCTTACCTTCCAACAGCTCTGGATTT  
 TCTTTTAGCTTCCCTGGTCTGTTTCTTCCGGCTTGACACAGGCCCTCTTTGATACCTGCTAGTTCT  
 CCTGTTAAAGGACTATCAAGTACTGAACAGACAAAAGTCAAAGTCCCTCATGACACATCCTCAG  
 ATACTGCCAGCTACACAGGATATTTGAAGGCACTATCTAAACACCCATCTGTAGGGGACAATAAGCCA  
 GTGGAGCTCCAGCCGAGAGGTCCTCTGAAGAGAGGCCCTTTGAGAAAATCAGTGACCAGTCAGAGAGT  
 AGTGACCTTGATGATGTCAGTACACCAAGTGGCAGTGACCTGGAAACAACCTCGGGCTCTGATCTGGAA  
 AGTGACATTGAAAGTGATAAAGAGAAAATTAAGAAAATGGTAAAATGTTCAAAGACAAAAGTAAAGCCCT  
 TTTCAGAACTGGCTTCAATAAATAAAGAAAATACAGCAATCATTCCATTTTCTCACCATTTTA  
 GAGGACAGACTGCGGTGTGAGGAGCTGTGAATGATTCTATAAAGGCTATTGCTTCTATTGCTGAAAAA  
 TACTTTGGTTCAACAGGACTGGTGGGGCTGCAAGACAAAAAGTTGGAGCTTTACCTTACCTTCCATG  
 TTTCCCTCCATTTTTTCCAGCATTCTCTCAATCAATGTACCCATTTCTGATAGAGACTTGAGATCG  
 TTACCTTTGAAAATGGAACCCCAATCACAGGTGAAGTAAAGAACTGCAGAAGGCAGCTCTGAGTCC  
 CCCTTTGATCTCACCCTAAGCGAAAGGATGAGAAGCCCTTACTCCAGTCCCCTCCAAGCCTCCAGTG  
 ACACCTGCCACAAGCCAAGACCAGCCCTGGATCTAAGTATGGGCAGTAGGAGTAGGCCAGTGGGACA  
 AAGCTGACTGAGCCTCGAAAAAACACGTGTTGGGGAAAAAAGGAAGCAACGTGCAATCAAGACCT  
 GCTTCAGATGGTTCCTTGCAAGTGAAGACCCACTCCTTTCTTATGGACCCTATTTACAGAGTAGAG  
 AAAAGAAAATAACTGACCCACTTGAAGCTTTAAAGAGAAAATACTTGAAGCCTTCTCCAGGATTCTTG  
 TTTCAACCAATTCAACTGCCTGATCAGAGAACTGGATGTCAGCTATTGAAAACATGGCAGAAAAG  
 CTAGAGAGCTTCAAGTGCCTGAAACCTGAGGCCAGTGAAGCTTTACAGTCAAGTGCCTCTATGTTCAAC  
 TTCAGGGCGCCTCCCAATGCCCTGCCAGAGAACCTTCTGCGGAAGGGAAAGGAGCGCTATACCTGCAGA  
 TACTGTGGCAAGATTTTTCCAAGTCTGCAAACTAACACGGCACTTGAAGCCACACAGGAGAGCAG  
 CCTTACAGATGCAAACTGTGACAGATCATTTAGCATATCTTAACTGCAAAGGCATGTTCCGCAAC  
 ATCCACAATAAAGAGAAGCCATTTAAGTGTCACTTATGTGATAGGTGTTTTGGTCAACAAACCAATTTA  
 GACAGACACCTAAAGAAACATGAGAATGGGAACATGTCGGTACAGCAACATCGTCGCCTCATTCTGAA  
 CTGGAAAGTACAGGTGCGATTCTGGATGACAAAGAAGATGCTTACTTACAGAAAATTCGAAATTTCAAT  
 GGGAAACAGCAACCATGGCAGCCAATCTCCAGGAATGTGGAGGAGAGAATGAATGGCAGTCAATTTAAA  
 GATGAAAAGGCTTTGGTGACCAGTCAAAATTCAGACTTGTGGATGATGAAGAAGTTGAAGATGAGGTG  
 TTGTTAGATGAGGAGGATGAAGACAATGATATTACTGGAAAAACAGGAAAGGAACAGTGAAGATAT  
 TTACATGAAGGAAACCTGAGGATGACTATGAAGAAACAGTGCCTGGAGATGAGTTGCAAGACATCC  
 CCAGTGAAGTATAAAGAGGAAGAATAAAAAGTGGACTTTCTGCTCTAGATCATATAAGGCACCTTACA  
 GATAGCCTCAAAATGAGGAAAAATGAAGATAATCAATATCTGAAGCTGAGCTGTCTTCTTTAGTACT  
 TCCCATGTGCCAGAGAACTTAAGCAGCGTTACACAGAAAGTCAAATCGCAGGCATATGCTATGATG  
 CTGCTACTGTCTGACAAGGAGTCCCTCCATTCTACATCCACAGTTCTTCAACGTGTGGCAGCATG  
 GCCAGGGCTGCGCGGAATCCAGTGTCTTCCAGTCCATAAGCCACGATGA

**Restriction Sites:** SgfI-MluI

## Plasmid Map:



ACCN: NM\_001205194

Insert Size: 3156 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\\_001205194.1](#)

RefSeq Size: 5195 bp

RefSeq ORF: 3156 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

**MW:** 118.3 kDa

**Gene Summary:** 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]  
Transcript Variant: This variant (7) differs in the 5' UTR and coding sequence compared to variant 1. The encoded isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2, 3, and 7 all encode the same isoform.