

## Product datasheet for **RC229420L4V**

### **EVI1 (MECOM) (NM\_004991) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	EVI1 (MECOM) (NM_004991) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MECOM
Synonyms:	AML1-EVI-1; EVI1; KMT8E; MDS1; MDS1-EVI1; PRDM3; RUSAT2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004991
ORF Size:	3717 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC229420).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_004991.3</a>
RefSeq ORF:	3720 bp
Locus ID:	2122
UniProt ID:	<a href="#">Q13465</a>
Cytogenetics:	3q26.2
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Chronic myeloid leukemia, MAPK signaling pathway, Pathways in cancer
MW:	139.1 kDa



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**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]