

Recombinant Human MECOM

Cat. No. MECOM-28333TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human EVI1 with a N terminal proprietary tag; Predicted MWt 36.52 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
Description	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.
Molecular Weight	36.520kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids YKGLSALDHIRHFTDSLKMRKMEDNQYSEAELSSFSTSHVPEELKQPLHRKSKSQ
AYAMMLSLSDKESLHSTSHSSSNVWHSMARAAAESSAIQSISH

GENE INFORMATION

Gene Name [MECOM MDS1 and EVI1 complex locus \[Homo sapiens \]](#)

Official Symbol [MECOM](#)

Synonyms MECOM; MDS1 and EVI1 complex locus; ecotropic viral integration site 1 , EVI1, MDS1, myelodysplasia syndrome 1; MDS1 and EVI1 complex locus protein EVI1; MDS1 EVI1; PRDM3;

Gene ID [2122](#)

mRNA Refseq [NM_001105077](#)

Protein Refseq [NP_001098547](#)

MIM [165215](#)

Uniprot ID [Q03112](#)

Chromosome Location 3q26

Pathway Chronic myeloid leukemia, organism-specific biosystem; Chronic myeloid leukemia, conserved biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; Pathways in cancer, organism-specific

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biosystem;

Function

DNA binding; DNA binding; metal ion binding; protein binding; protein homodimerization activity;

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