

Recombinant Human MLLT3 protein, GST-tagged

Cat. No. MLLT3-265H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MLLT3(1-149 aa)(YEATS DOMAIN, F59A) fused with GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-149 a.a.
Description	The AF9 protein is part of the super elongation complex and also associates with the histone methyltransferase DOT1L. Translocation of the AF9 gene to the MLL gene, resulting in an MLL/AF9 fusion is the most common chromosomal rearrangement involving MLL in de novo AML. The YEATS domain of binds strongly to histone H3K9 acetylation and, to a lesser extent, H3K27 and H3K18 acetylation. AF9 YEATS Domain, F59A, Recombinant Human contains a phenylalanine to alanine substitution at position 59.
Form	Recombinant GST-tagged protein at 1 mg/ml in 50 mM HEPES pH 7.3, 200 mM NaCl, 1 mM DTT, 10% glycerol.
Molecular Mass	41 kDa
Applications	AF9 YEATS Domain, F59A, Recombinant Human is useful for protein binding and screening experiments using AF9 YEATS Domain, Recombinant Human to examine acetylated protein substrates.

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Storage	Stable for six months at -80 centigrade from date of receipt. For best results, aliquot and avoid multiple freeze/thaws.
Concentration	1 mg/ml
GENE INFORMATION	
Gene Name	MLLT3 myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 3 [Homo sapiens]
Official Symbol	MLLT3
Synonyms	MLLT3; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 3; myeloid/lymphoid or mixed lineage leukemia (trithorax (Drosophila) homolog); translocated to, 3; protein AF-9; AF 9; AF9; YEATS3; YEATS domain-containing protein 3; ALL1-fused gene from chromosome 9 protein; myeloid/lymphoid or mixed-lineage leukemia translocated to chromosome 3 protein; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog); translocated to, 3; FLJ2035;
Gene ID	4300
mRNA Refseq	NM_004529
Protein Refseq	NP_004520
MIM	159558
UniProt ID	P42568
Chromosome Location	9p22

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Pathway

Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;

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