

Recombinant Human MLLT3 protein, GST-tagged

Cat. No. MLLT3-264H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MLLT3(1-149 aa)(YEATS DOMAIN) 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.
Form	Recombinant 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, Recombinant Human is useful for protein binding and screening experiments examining acetylated protein substrates.
Storage	Stable for six months at -80 centigrade from date of receipt. For best results, aliquot and avoid multiple freeze/thaws.

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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

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

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