

Active Recombinant Human MLL3 protein, GST-tagged

Cat. No. MLL3-191H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MLL3(4689-end) fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	4689-end
Description	Histone-lysine N-methyltransferase 2C, also known as mixed-lineage leukemia 2 (MLL3) is the central component of the MLL2/3 complex, a coactivator complex of nuclear receptors involved in transcriptional coactivation. Deletion of the region harboring the MLL3 gene was found to be the most frequently recurrent chromosomal abnormality in acute myeloid leukemia.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	1000 nmol/min/mg
Molecular Mass	51 kDa
Purity	>85%
Applications	Methyltransferase Assay

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Stability	1 year at -70 centigrade from the date of shipment
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1µg/µl
GENE INFORMATION	
Gene Name	MLL3 myeloid/lymphoid or mixed-lineage leukemia 3 [Homo sapiens]
Official Symbol	MLL3
Synonyms	MLL3; myeloid/lymphoid or mixed-lineage leukemia 3; histone-lysine N-methyltransferase MLL3; HALR; KIAA1506; KMT2C; ALR-like protein; homologous to ALR protein; lysine N-methyltransferase 2C; myeloid/lymphoid or mixed-lineage leukemia protein 3; histone-l
Gene ID	58508
mRNA Refseq	NM_170606
Protein Refseq	NP_733751
MIM	606833
UniProt ID	Q8NEZ4
Chromosome Location	7q36

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Pathway	Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem;
Function	DNA binding; histone methyltransferase activity (H3-K4 specific); metal ion binding; methyltransferase activity; protein binding; transferase activity; zinc ion binding;
	