

Active Recombinant Human KMT2E protein, GST-tagged

Cat. No. KMT2E-192H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KMT2E(1-548 aa) fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-548 aa
Description	Mixed-lineage leukemia protein 5 (MLL5) plays a key regulatory role in hematopoiesis by mediating mono- or demethylation of lysine-4 of histone H3. MLL5 can associate with host cell factor-1 (HCF-1) and be recruited to E2F1-responsive promoters, and thus promotes cell cycle progression. Isoform NKp44L acts as cellular ligand for a natural cytotoxicity receptor, which is critical for NK cell-mediated innate immunity.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	250 nmol/min/mg
Molecular Mass	100 kDa
Purity	>90%
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	KMT2E lysine methyltransferase 2E [Homo sapiens]
Official Symbol	KMT2E
Synonyms	MLL5; NKp44L; HDCMC04P; histone-lysine N-methyltransferase MLL5; lysine (K)-specific methyltransferase 2E; myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila); myeloid/lymphoid or mixed-lineage leukemia protein 5
Gene ID	55904
mRNA Refseq	NM_182931
Protein Refseq	NP_891847
UniProt ID	Q8IZD2
Chromosome Location	7q22.3
Pathway	Chromatin modifying enzymes, organism-specific biosystem; Lysine degradation,

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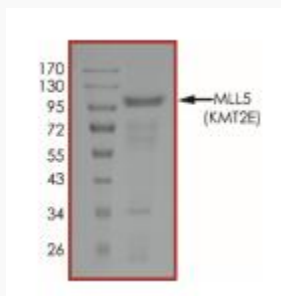
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organism-specific biosystem; PKMTs methylate histone lysines, organism-specific biosystem

Function

enzyme binding; transcription coactivator activity; zinc ion binding



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