

MLL5 recombinant protein

MLL5 (KMT2E), Active

CATALOG # AAA73024	HOST Sf9 insect cells using baculovirus	APPLICATIONS Methyltransferase Assay
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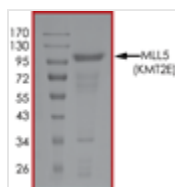
PRODUCT SYNONYMS

MLL5; MLL5 (KMT2E); Active; MLL5 recombinant protein

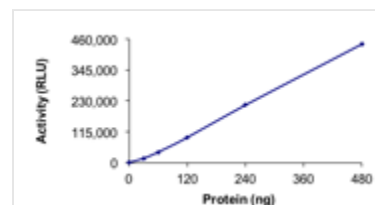
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	1-548
Sequence Length	6873
Applicable Applications for MLL5 recombinant protein	Methyltransferase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. 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.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for MLL5 recombinant protein	Description: Recombinant human MLL5 (1-548) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: Mixed-lineage leukemia protein 5 (MLL5) plays a key regulatory role in hematopoiesis by mediating mono- or demethylation of lysine-4 of histone H3 (1). MLL5 can associate with host cell factor-1 (HCF-1) and be recruited to E2F1-responsive promoters, and thus promotes cell cycle progression (2). Isoform NKp44L acts as cellular ligand for a natural cytotoxicity receptor, which is critical for NK cell-mediated innate immunity (3).
Product Categories/Family for MLL5 recombinant protein	Enzymes; Active Methyltransferases

References	1. Emerling, B.M., et al. MLL5, a homolog of Drosophila trithorax located within a segment of chromosome band 7q22 implicated in myeloid leukemia. <i>Oncogene</i> . 21 (31):4849-54, 2002. 2. Zhou, P., et al. Mixed lineage leukemia 5 (MLL5) protein regulates cell cycle progression and E2F1-responsive gene expression via association with host cell factor-1 (HCF-1). <i>J Biol Chem</i> . 288 (24):17532-43, 2013. 3. Baychelier, F., et al. Identification of a cellular ligand for the natural cytotoxicity receptor NKp44. <i>Blood</i> . 122 (17):2935-42, 2013.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	91199541
NCBI GeneID	55904
NCBI Accession #	NM_182931.2
NCBI GenBank Nucleotide #	NM_182931
UniProt Accession #	Q8IZD2; Q6P5Y2; Q6PKG4; Q6T316; Q86TI3; Q86W12; Q86WG0; Q86WL2; Q8IV78; B6ZDE4; B6ZDM3; M4K8J3
Molecular Weight	100 kDa
NCBI Official Full Name	Homo sapiens lysine methyltransferase 2E (KMT2E), transcript variant 1, mRNA
NCBI Official Synonym Full Names	lysine methyltransferase 2E
NCBI Official Symbol	KMT2E
NCBI Official Synonym Symbols	MLL5; NKp44L; HDCMC04P
NCBI Protein Information	histone-lysine N-methyltransferase 2E
UniProt Protein Name	Histone-lysine N-methyltransferase 2E
UniProt Gene Name	KMT2E
UniProt Synonym Gene Names	MLL5; Lysine N-methyltransferase 2E

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/kmt2e-recombinant-protein-sf9-methyltransferase-assay/73024>