

DOT1L recombinant protein

DOT1L (KMT4), Active

CATALOG # AAA72977	HOST Sf9 insect cells using baculovirus	APPLICATIONS Methyltransferase Assay
------------------------------	---	--

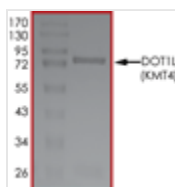
PRODUCT SYNONYMS

DOT1L; DOT1L (KMT4); Active; DOT1L recombinant protein

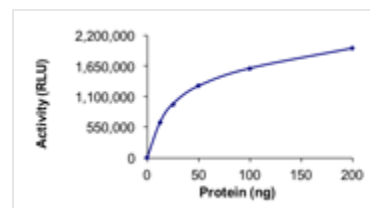
PRODUCT SPECIFICATIONS

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	1-435
Sequence Length	7455
Applicable Applications for DOT1L 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 DOT1L recombinant protein	Description: Recombinant human DOT1L (KMT4) (1-435) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: DOT1-like protein (DOT1L) specifically methylates lysine-79 of histone H3 in the globular domain. DOT1L lacks a SET-domain, which is commonly considered to mediate lysine methylation of histones (1, 2). DOT1 homologs exist in a variety of eukaryotic organisms. The activity of this methyltransferase is involved in cell cycle regulation and leukemogenesis (3).
Product Categories/Family for DOT1L recombinant protein	Enzymes; Active Methyltransferases

References	1. Feng, Q., et al. Methylation of H3-lysine 79 is mediated by a new family of HMTases without a SET domain. Curr Biol. 12 (12):1052-8, 2002. 2. Min, J., et al. Structure of the catalytic domain of human DOT1L, a non-SET domain nucleosomal histone methyltransferase. Cell. 112 (5):711-23, 2003. 3. Okada, Y., et al. hDOT1L links histone methylation to leukemo-genesis. Cell. 121 (2):167-78, 2005.
-------------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	163965372
NCBI GeneID	84444
NCBI Accession #	NM_032482.2
NCBI GenBank Nucleotide #	NM_032482
Molecular Weight	78 kDa
NCBI Official Full Name	Homo sapiens DOT1 like histone lysine methyltransferase (DOT1L), mRNA
NCBI Official Synonym Full Names	DOT1 like histone lysine methyltransferase
NCBI Official Symbol	DOT1L
NCBI Official Synonym Symbols	DOT1; KMT4
NCBI Protein Information	histone-lysine N-methyltransferase, H3 lysine-79 specific
UniProt Protein Name	Histone-lysine N-methyltransferase, H3 lysine-79 specific
UniProt Gene Name	DOT1L
UniProt Synonym Gene Names	KIAA1814; KMT4; H3-K79-HMTase

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/dot1l-recombinant-protein-sf9-insect-cells-using-baculovirus-methyltransferase-assay/72977>