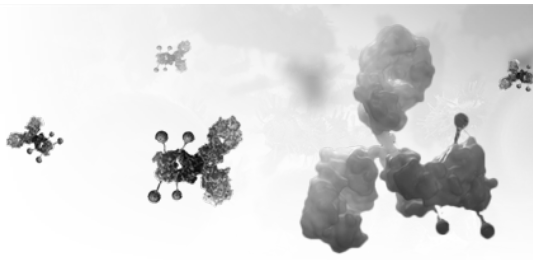

Human DOT1L peptide (DAG-P1654)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a histone methyltransferase that methylates lysine-79 of histone H3. It is inactive against free core histones, but shows significant histone methyltransferase activity against nucleosomes. [provided by RefSeq, Aug 2011]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	DOT1L DOT1-like histone H3K79 methyltransferase [Homo sapiens (human)]
Official Symbol	DOT1L
Synonyms	DOT1L; DOT1-like histone H3K79 methyltransferase; DOT1; KMT4; histone-lysine N-methyltransferase, H3 lysine-79 specific; H3-K79-HMTase; DOT1-like protein; lysine N-methyltransferase 4; histone methyltransferase DOT1L; histone H3-K79 methyltransferase; DOT1-like, histone H3 methyltransferase;
Entrez Gene ID	84444
mRNA Refseq	NM_032482.2
Protein Refseq	NP_115871.1

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UniProt ID	Q8TEK3
Chromosome Location	19p13.3
Pathway	Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;
Function	DNA binding; histone-lysine N-methyltransferase activity; protein binding; transcription factor binding;

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