Recombinant Human DOT1L

Cat. No. DOT1L-27742TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 2-416 of Human KMT4 / Dot1L with N terminal proprietary tag, 73 kDa.
Species	Human
Source	E.coli
ProteinLength	2-416 a.a.
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.
Form	Liquid
Storage buffer	Preservative: NoneConstituents: 20% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, pH 7.5
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	DOT1L DOT1-like, histone H3 methyltransferase (S. cerevisiae) [Homo sapiens]
Official Symbol	DOT1L

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Synonyms	DOT1L; DOT1-like, histone H3 methyltransferase (S. cerevisiae); histone-lysine N-methyltransferase, H3 lysine-79 specific; DOT1; histone methyltransferase DOT1L; KIAA1814; KMT4;
Gene ID	84444
mRNA Refseq	NM_032482
Protein Refseq	NP_115871
MIM	607375
Uniprot ID	Q8TEK3
Chromosome Location	19p13.3
Pathway	Lysine degradation, organism-specific biosystem; Lysine degradation, conserved biosystem; Transcriptional misregulation in cancers, organism-specific biosystem; Transcriptional misregulation in cancers, conserved biosystem;
Function	DNA binding; histone-lysine N-methyltransferase activity; methyltransferase activity; protein binding; transferase activity;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA