

## Recombinant Human DOT1L protein

Cat. No. DOT1L-767H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human DOT1L protein(NP_115871.1)(Gly2-Lys416) was expressed in E. coli.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Gly2-Lys416   |
| <b>Form</b>             | Lyophilized from sterile 20mM HEPES, 150mM NaCl, 1mM EDTA, 15% glycerol, pH 7.5Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. |
| <b>Molecular Mass</b>   | The recombinant human DOT1L comprises 417 amino acids and has a predicted molecular mass of 47.6 kDa. It migrates as an approximately 50 kDa band in SDS-PAGE under reducing conditions as predicted.   |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE  |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.      |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of  |

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | DOT1L DOT1-like, histone H3 methyltransferase ( <i>S. cerevisiae</i> ) [ <i>Homo sapiens</i> ]  |
| <b>Official Symbol</b> | DOT1L   |
| <b>Synonyms</b>        | DOT1L; DOT1-like, histone H3 methyltransferase ( <i>S. cerevisiae</i> ); histone-lysine N-methyltransferase, H3 lysine-79 specific; DOT1; histone methyltransferase DOT1L; KIAA1814; KMT4; H3-K79-HMTase; DOT1-like protein; lysine N-methyltransferase 4; histone H3-K79 methyltransferase; DKFZp586P1823; |
| <b>Gene ID</b>         | 84444   |
| <b>mRNA Refseq</b>     | NM_032482   |
| <b>Protein Refseq</b>  | NP_115871   |
| <b>MIM</b>             | 607375  |
| <b>UniProt ID</b>      | Q8TEK3  |

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