# Recombinant Human DOT1L Protein, GST-tagged

**Cat. No.** DOT1L-2821H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human DOT1L partial ORF ( NP_115871, 3 a.a. - 108 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **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] |
| **Molecular Mass** | 37.4 kDa |
| **AA Sequence** | EKLELRLKSPVGAEPAVYPWPLPVYDKHHDAAHEIIETIRWVCEEIPDLKLAMENYVLI DYDTKSFESMQRLCDKYNRAIDSIHQLWKGTTQPMKLNTRPSTGLLR |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| **Notes** | Best use within three months from the date of receipt of this protein. |
| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |

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| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | DOT1L DOT1-like, histone H3 methyltransferase (S. cerevisiae) [ Homo sapiens ] |
| **Official Symbol** | DOT1L |
| **Synonyms** | DOT1L; DOT1-like, histone H3 methyltransferase (S. cerevisiae); 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; |
| **Gene ID** | 84444 |
| **mRNA Refseq** | NM_032482 |
| **Protein Refseq** | NP_115871 |
| **MIM** | 607375 |
| **UniProt ID** | Q8TEK3 |

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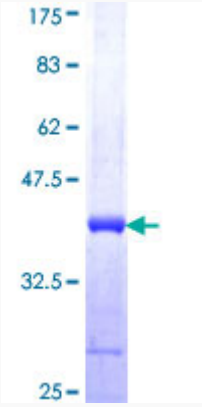
| **Quality Control Testing** |  <br>12.5% SDS-PAGE Stained with Coomassie Blue. |

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