Human DOT1L/KMT4 recombinant protein

Catalog Number: 500138

General Information

Gene Name Synonym

DOT1-like protein; Histone H3-K79 methyltransferase; Lysine N-methyltransferase 4

Protein Construction

A DNA sequence encoding the human DOT1L (NP_115871.1) N-terminal segment (Gly 2-Lys 416) was expressed and purified, with two additional amino acids (Gly & Pro) at the N-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Gly

Molecular Mass

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.

Formulation

Lyophilized from sterile 20mM HEPES, 150mM NaCl, 1mM EDTA, 15% glycerol, pH 7.5
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

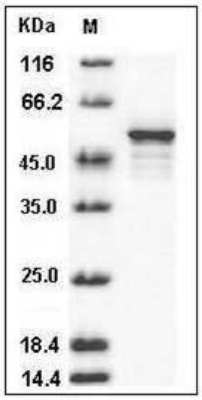
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human DOT1L / KMT4 Protein SDS-PAGE