Recombinant Human KMT2D, GST-tagged

Cat. No. KMT2D-55H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MLL2 protein (accession number NP_003473.3) was expressed in E. coli, with an N-terminal GST tag.
Species	Human
Source	E.coli
Description	Myeloid/lymphoid or mixed-lineage leukemia 2 (MLL2) is a Trithorax-group protein that function collectively to promote gene expression. MLL2 is a histone methyltransferase that methylates the Lysine 4 position of histone H3. In particular, the SET domain is a conserved C-terminal domain that characterizes proteins of the MLL (mixed-lineage leukemia) family. The SET domain is responsible for its histone methyltransferase activity which mediates chromatin modifications associated with epigenetic transcriptional activation. H3K4 methylation represents a specific epigenetic tag for transcriptional activation. MLL2 is part of a large protein complex called ASCOM, which has been shown to be a transcriptional regulator of the β-globin and estrogen receptor genes. Mutations in this gene have been shown to be a cause of Kabuki syndrome.
Form	20 mM Tris-HCl pH 7.4, 150 mM NaCl and 20% glycerol.
Molecular Mass	47.6 kDa
Applications	Enzyme kinetics, inhibitor screening, and selectivity profiling.

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

Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Concentration	0.6 mg/ml

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