

Recombinant Human KMT2D Protein (H5382-M5536), GST tagged

Cat. No. KMT2D-0540H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-TEV-(GG)-KMT2D(H5382-M5536) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	H5382-M5536
Description	Histone methyltransferase that catalyzes methyl group transfer from S-adenosyl-L-methionine to the epsilon-amino group of 'Lys-4' of histone H3 (H3K4). Part of chromatin remodeling machinery predominantly forms H3K4me1 methylation marks at active chromatin sites where transcription and DNA repair take place. Acts as a coactivator for estrogen receptor by being recruited by ESR1, thereby activating transcription.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50mM Tris-HCl (pH 7.5), 200mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	KMT2D lysine methyltransferase 2D [Homo sapiens (human)]
Official Symbol	KMT2D
Synonyms	KMT2D; lysine methyltransferase 2D; ALR; KMS; MLL2; MLL4; AAD10; BCAHH; KABUK1; TNRC21; CAGL114; histone-lysine N-methyltransferase 2D; ALL1-related protein; Kabuki make-up syndrome; histone-lysine N-methyltransferase MLL2; lysine (K)-specific methyltransferase 2D; lysine N-methyltransferase 2D; myeloid/lymphoid or mixed-lineage leukemia 2; trinucleotide repeat containing 21; EC 2.1.1.364
Gene ID	8085
mRNA Refseq	NM_003482
Protein Refseq	NP_003473
MIM	602113
UniProt ID	O14686

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