

Recombinant Human KMT2D Complex, His-tagged

Cat. No. KMT2D-129H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MLL2(5319-5537), WDR5(22-334), RbBP5(1-538), Ash2L(2-534), DPY-30(1-99) protein, fused with N-terminal His-tag on all subunits, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	5319-5537;22-334;1-538;2-534;1-99 a.a.
Form	20 mM Tris-HCl, pH 7.5, 300 mM NaCl, 1 mM TCEP (tris(2-carboxyethyl)phosphine HCl), 10% (w/v) glycerol, 1 mM ZnCl ₂ .
Molecular Mass	211.0 kDa
Purity	>90% by SDS-PAGE
Storage	Store at -80°C. Thaw quickly and store on ice before use. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	KMT2D lysine (K)-specific methyltransferase 2D [Homo sapiens]
Official Symbol	KMT2D

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Synonyms	ALR; KMS; MLL2; MLL4; AAD10; KABUK1; TNRC21; CAGL114; ALL1-related protein; Kabuki make-up syndrome; Kabuki mental retardation syndrome; histone-lysine N-methyltransferase MLL2; lysine N-methyltransferase 2D; myeloid/lymphoid or mixed-lineage leukemia 2; trinucleotide repeat containing 21
Gene ID	8085
mRNA Refseq	NM_003482
Protein Refseq	NP_003473
MIM	602113
UniProt ID	O14686
Chromosome Location	12q13.12
Pathway	Chromatin modifying enzymes, organism-specific biosystem; Deactivation of the beta-catenin transactivating complex, organism-specific biosystem; PKMTs methylate histone lysines, organism-specific biosystem
Function	DNA binding; histone methyltransferase activity (H3-K4 specific); protein binding