Recombinant Human KMT2B Complex, His-tagged

Cat. No. KMT2B-131H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MLL4 (2490-2715), 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	2490-2715;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 μM ZnCl2.
Molecular Mass	211.0 kDa
Storage	Store at -80°C. Thaw quickly and store on ice before use. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	KMT2B lysine (K)-specific methyltransferase 2B [Homo sapiens]
Official Symbol	KMT2B
Synonyms	HRX2; MLL2; MLL4; TRX2; WBP7; MLL1B; WBP-7; CXXC10; WW domain binding

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	protein 7; histone-lysine N-methyltransferase MLL4; mixed lineage leukemia gene homolog 2; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila) 4; myeloid/lymphoid or mixed-lineage leukemia protein 4; trithorax homologue 2
Gene ID	9757
mRNA Refseq	NM_014727
Protein Refseq	NP_055542
MIM	606834
UniProt ID	Q9UMN6
Chromosome Location	19q13.1
Pathway	Chromatin modifying enzymes, organism-specific biosystem; Lysine degradation, organism-specific biosystem; PKMTs methylate histone lysines, organism-specific biosystem
Function	histone methyltransferase activity (H3-K4 specific); protein binding; transcription factor activity, sequence-specific DNA binding

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