

Product datasheet for **RC220130L1V**

KMT2B (NM_014727) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	KMT2B (NM_014727) Human Tagged ORF Clone Lentiviral Particle
Symbol:	KMT2B
Synonyms:	CXXC10; DYT28; HRX2; MLL1B; MLL2; MLL4; TRX2; WBP-7; WBP7
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_014727
ORF Size:	8145 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220130).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_014727.1
RefSeq Size:	8469 bp
RefSeq ORF:	8148 bp
Locus ID:	9757
UniProt ID:	Q9UMN6
Cytogenetics:	19q13.12
Protein Families:	Druggable Genome
MW:	293.3 kDa



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Gene Summary:

This gene encodes a protein which contains multiple domains including a CXXC zinc finger, three PHD zinc fingers, two FY-rich domains, and a SET (suppressor of variegation, enhancer of zeste, and trithorax) domain. The SET domain is a conserved C-terminal domain that characterizes proteins of the MLL (mixed-lineage leukemia) family. This gene is ubiquitously expressed in adult tissues. It is also amplified in solid tumor cell lines, and may be involved in human cancer. Two alternatively spliced transcript variants encoding distinct isoforms have been reported for this gene, however, the full length nature of the shorter transcript is not known. [provided by RefSeq, Jul 2008]