

Product datasheet for RC220130

KMT2B (NM_014727) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KMT2B (NM_014727) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KMT2B
Synonyms:	CXXC10; DYT28; HRX2; MLL1B; MLL2; MLL4; TRX2; WBP-7; WBP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220130 representing NM_014727 Red=Cloning site Blue=ORF Green=Tags(s)

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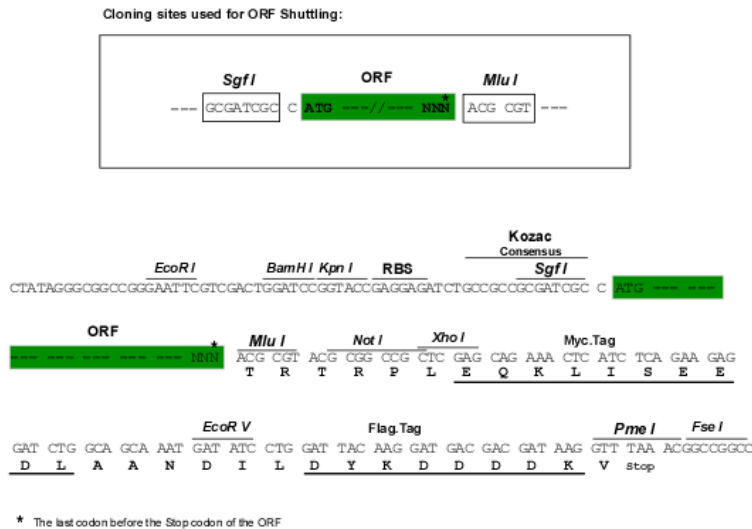
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Protein Sequence: >RC220130 representing NM_014727
 Red=Cloning site Green=Tags(s)

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Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_014727

ORF Size: 8145 bp

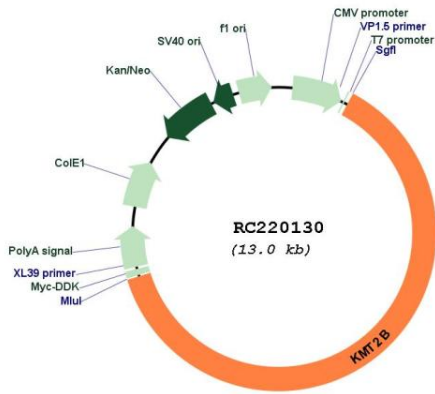
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_014727.3
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
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]

Product images:



Circular map for RC220130