

Product datasheet for **SC309332**

MLL5 (KMT2E) (NM_182931) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MLL5 (KMT2E) (NM_182931) Human Untagged Clone
Tag:	Tag Free
Symbol:	KMT2E
Synonyms:	HDCMC04P; MLL5; NKp44L; ODLURO
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_182931, the custom clone sequence may differ by one or more nucleotides

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ATGAGCATAGTGATCCCATTGGGGTTGATACAGCAGAGACGTCATACTTGGAAATGGCTGCAGGTTTCAG
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CCTTCGAGTGCTCATCCAACGTACCACCGTATCCCTCACAAGCTACACATCATACCACTTTGGGACCGG
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 CCAAGGACCAACAGTATTCCAACACCTACTGCTTCAGGGTTCTGTCTCATCTGGCTCTGTGGCCCTG
 CCACATGGGGTTCAAGGACCTCAGCAGGCATCTCCAGTGCCTGGACAGATTCCAATTCACAGAGCACAGG
 TGCCACCAACATTTCAAACAATTACCATGGGTGAGGGTGGCATTAA

Restriction Sites:	Please inquire
ACCN:	NM_182931
Insert Size:	7400 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_182931.1 , NP_891847.1
RefSeq Size:	7139 bp
RefSeq ORF:	5577 bp
Locus ID:	55904
UniProt ID:	Q8IZD2
Cytogenetics:	7q22.3
Protein Families:	Druggable Genome

Gene Summary:

This gene is a member of the myeloid/lymphoid or mixed-lineage leukemia (MLL) family and encodes a protein with an N-terminal PHD zinc finger and a central SET domain.

Overexpression of the protein inhibits cell cycle progression. Alternate transcriptional splice variants have been characterized. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.