

Product datasheet for **SC308847**

MLL5 (KMT2E) (NM_018682) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MLL5 (KMT2E) (NM_018682) Human Untagged Clone
Tag:	Tag Free
Symbol:	KMT2E
Synonyms:	HDCMC04P; MLL5; NKp44L; ODLURO
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018682, the custom clone sequence may differ by one or more nucleotides

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ATGAGCATAGTGATCCCATTGGGGTTGATACAGCAGAGACGTCATACTTGGAAATGGCT
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 CACCCACCTCATCAAGGACCTCCACTTTTCCTTCGAGTGCTCATCCAAGTACCACCG
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 AGAGCACAGGTGCCACCAACATTTCAAACAATTACCATGGGTCAGGGTGGCATTAA

Restriction Sites:	Please inquire
ACCN:	NM_018682
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_018682.2 , NP_061152.2
RefSeq Size:	6543 bp
RefSeq ORF:	5577 bp
Locus ID:	55904
UniProt ID:	Q8IZD2
Cytogenetics:	7q22.3
Domains:	SET, PHD
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 (2) lacks an internal exon in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.