

# Product datasheet for RC208219

## KMT5A (NM\_020382) Human Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	KMT5A (NM_020382) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	КМТ5А
Synonyms:	PR-Set7; PR/SET07; SET07; SET8; SETD8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RC208219 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

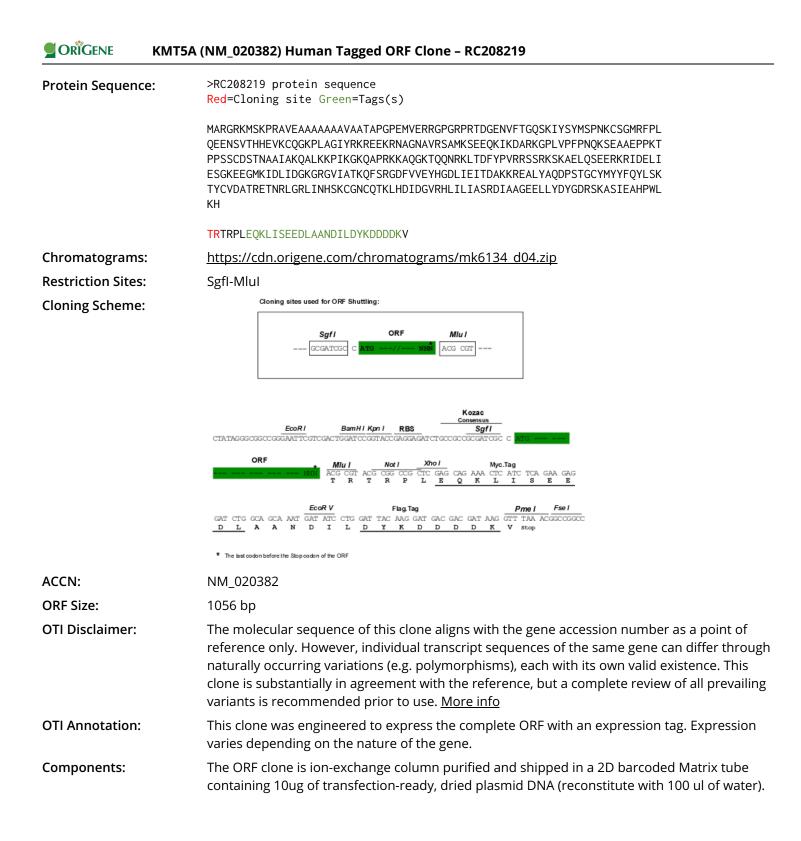
CGACGGCCCCGGGCCCGGAGATGGTGGAGCGGAGGGGCCCGGGGAGGCCCCGCACCGACGGGGAGAACGT ATTTACCGGGCAGTCAAAGATCTATTCCTACATGAGCCCGAACAAATGCTCTGGAATGCGTTTCCCCCCTT CAGGAAGAGAACTCAGTTACACATCACGAAGTCAAATGCCAGGGGAAACCATTAGCCGGAATCTACAGGA AACGAGAAGAAAAAGAAATGCTGGGAACGCAGTACGGAGCGCCATGAAGTCCGAGGAACAGAAGATCAA AGACGCCAGGAAAGGTCCCCTGGTACCTTTTCCAAACCAAAAATCTGAAGCAGCAGAACCTCCAAAAACT CCACCCTCATCTTGTGATTCCACCAATGCAGCCATCGCCAAGCCATGCAAAAAAGCCCATCAAGGGCA AACAGGCCCCCCGAAAAAAAGCTCAAGGAAAAACGCAACAGAATCGCAAACTTACGGATTTCTACCCTGT CCGAAGGAGCTCCAGGAAGAGCAAAGCCGAGCTGCAGTCTGAAGAAAGGAAAAGAATAGATGAATTGATT GAAAGTGGGAAGGAAGGAAGGAATGAAGATTGACCTCATCGATGGCAAAGGCAGGGGTGTGATTGCCACCA AGCAGTTCTCCCGGGGTGACTTTGTGGTGGAATACCACGGGGACCTCATCGAGATCACCGACGCCAAGAA ACGGGAGGCTCTGTACGCACAGGACCCTTCCACGGGCTGCTACATGTACTATTTTCAGTATCTGAGCAAA ACTGCCAAACCAAACTGCACGACATCGACGGCGTACGTCACCTCATCGCCTCCCGAGACATCGC GGCTGGGGAGGAGCTCCTGTATGACTATGGGGACCGCAGCAAGGCTTCCATTGAAGCCCACCCGTGGCTG AAGCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG**GTTTAA** 



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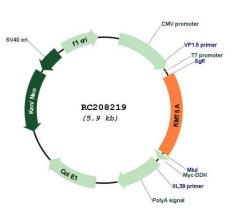
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# **CRIGENE** KMT5A (NM\_020382) Human Tagged ORF Clone - RC208219

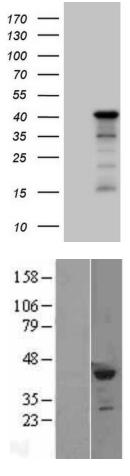
Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM 020382.7</u>
RefSeq Size:	2765 bp
RefSeq ORF:	1059 bp
Locus ID:	387893
UniProt ID:	Q9NQR1
Cytogenetics:	12q24.31
Domains:	SET
Protein Families:	Druggable Genome
Protein Pathways:	Lysine degradation
MW:	39.3 kDa
Gene Summary:	The protein encoded by this gene is a protein-lysine N-methyltransferase that can monomethylate Lys-20 of histone H4 to effect transcriptional repression of some genes. The encoded protein is required for cell proliferation and plays a role in chromatin condensation. [provided by RefSeq, May 2016]



### **Product images:**



Circular map for RC208219



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY SETD8 (Cat# RC208219, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SETD8 (Cat# [TA808172])(1:2000). Positive lysates [LY402778] (100ug) and [LC402778] (20ug) can be purchased separately from OriGene.

Western blot validation of overexpression lysate (Cat# [LY402778]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208219 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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