

Product datasheet for **SC113114**

KMT5A (NM_020382) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KMT5A (NM_020382) Human Untagged Clone
Tag:	Tag Free
Symbol:	KMT5A
Synonyms:	PR-Set7; PR/SET07; SET07; SET8; SETD8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020382, the custom clone sequence may differ by one or more nucleotides

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ATGGCTAGAGGCAGGAAGATGTCCAAGCCCCGCGCGTGGAGGCGGCGGCGGCGGCGGCGGCGGTGGCAG
CGACGGCCCCGGGCCGAGATGGTGGAGCGGAGGGGCCGCGGAGGCCCGCACCGACGGGAGAACGT
ATTTACCGGGCAGTCAAAGATCTATTCTACATGAGCCCCGAACAAATGCTCTGGAATGCGTTTCCCCCTT
CAGGAAGAGAAGTACGTTACACATCACGAAGTCAAATGCCAGGGGAAACCATTAGCCGGAATCTACAGGA
AACGAGAAGAGAAAAGAAATGCTGGGAACGCAGTACGGAGCGCCATGAAGTCCGAGGAACAGAAGATCAA
AGACGCCAGGAAAGGTCCCCTGGTACCTTTTCCAAACCAAAAATCTGAAGCAGCAGAACCTCAAAAACT
CCACCCTCATCTTGTGATTCCACCAATGCAGCCATCGCCAAGCAAGCCCTGAAAAAGCCCATCAAGGGCA
AACAGGCCCCCGAAAAAAGCTCAAGGAAAAACGCAACAGAATCGCAAACCTTACGGATTCTACCCCTGT
CCGAAGGAGCTCCAGGAAGAGCAAAAGCCGAGCTGCAGTCTGAAGAAAGGAAAAGAATAGATGAATTGATT
GAAAGTGGGAAGGAAGAAGGAATGAAGATTGACCTCATCGATGGCAAAGGCAGGGGTGTGATTGCCACCA
AGCAGTTCTCCCGGGGTGACTTTGTGGTGAATACCACGGGGACCTCATCGAGATCACCGACGCCAAGAA
ACGGGAGGCTCTGTACGCACAGGACCTTCCACGGGTGCTACATGTACTATTTTCAGTATCTGAGCAAA
ACCTACTGCGTGGATGCAACTAGAGAGACAAATCGCCTAGGAAGACTGATCAATCACAGCAAATGTGGGA
ACTGCCAAACCAAACTGCACGACATCGACGGCGTACCTCACCTCATCCTCATCGCTCCCGAGACATCGC
GGCTGGGAGGAGCTCCTGTATGACTATGGGACCGCAGCAAGGCTTCCATTGAAGCCCAACCCGTGGCTG
AAGCATTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_020382 unedited CCCCCCTTTCCCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGCGGTCTAT ATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGTACTTGTCTTTTTGCAGCG GCCGGAATTCGGCAGGAGGCGCCTCCTCCCTTCGTGCCTCGCCCCGGGCCGGAGATG GTGGAGCGGAGGGGCCGGGGAGCCCCGACCGGAGGAGAACGTATTTACGGGCGAG TCAAAGATCTATTCTACATGAGCCCCAACAAATGCTCTGGAATGCGTTTCCCCCTTCAG GAAGAGAACTCAGTTACACATCACGAAGTCAAATGCCAGGGGAAACCATTAGCCGGAATC TACAGGAAACGAGAAGAGAAAAGAAATGCTGGAACGCAGTACGGAGCGCCATGAAGTCC GAGGAACAGAAGATCAAAGACGCGCAGGAAAGGTCCCCTGGTACCTTTTCAAACCAAAAA TCTGAAGCAGCAGAACCTCCAAAACTCCACCCTCATCTTGTGATTCCACCAATGCAGCC ATCGCCAAGCAAGCCCTGAAAAAGCCCATCAAGGGCAAACAGGCCCCCGAAAAAAGCT CAAGGAAAAACGCAACAGAATCGCAAATACGGATTTCTACCCTGTCCGAAGGAGCTCC AGGAAGAGCAAAGCCGAGCTGCAGTCTGAAGAAAGGAAAAGAATAGATGAATTGATTGAA AGTGGGAAGGACAGAGGAATGAAGACTGACCTCATCGATGGCAAAGGCCAGGGGTGTGAT TGCCACCAAGCAGTTCTCCCGNGTGACTNTGTGGTGAATACCAGGNGACCTCATCGA GATCACCGACGCCAAGAGACGGGAGGCTCTGTACGCCAGGACCTTCCACGGCTGCTACT GTACTATTTTCAGTATC
Restriction Sites:	NotI-NotI
ACCN:	NM_020382
Insert Size:	2000 bp
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).
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_020382.3 , NP_065115.3
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

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]

Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.