

Product datasheet for **SC313085**

KMT5A (AY102937) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KMT5A (AY102937) Human Untagged Clone
Tag:	Tag Free
Symbol:	KMT5A
Synonyms:	PR-Set7; SET07; SET8; SETD8
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AY102937, the custom clone sequence may differ by one or more nucleotides ATGGCTAGAGGCAGGAAGATGTCCAAGCCCCGCGCGGTGGAGGCGGCGGGCGGCGGCG GCGGTGGCAGCGACGGCCCCGGGCCGAGATGGTGGAGCGGAGGGGCCGGGGAGGCC CGCACCAGCGGGGAGAACGTATTTACCGGGCAGTCAAAGATCTATTCTACATGAGCCCG AACAAATGCTCTGGAATGCGTTTTCCCTTCAGGAAGAGAAGTACGTTACACATCACGAA GTCAAATGCCAGGGGAAACCATTAGCCGGAATCTACAGGAAACGAGAAGAGAAAAGAAAT GCTGGGAACGCAGTACGGAGCGCCATGAAGTCCGAGGAACAGAAGATCAAAGACGCCAGG AAAGTCCCTGGTACCTTTTCCAAACAAAAATCTGAAGCAGCAGAACCTCCAAAAACT CCACCCTCATCTTGTGATTCCACCAATGCAGCCATCGCCAAGCAAGCCCTGAAAAAGCCC ATCAAGGGCAAACAGGCCCCCCGAAAAAAGCTCAAGGAAAAACGCAACAGAATCGCAA CTTACGGATTTCTACCCTGTCCGAAAGGAGCTCCAGGAAGAGCAAAGCCGAGCTGCAGTCT GAAGAAAGGAAAAGAATAGATGAATTGATTGAAAGTGGGAAGGAAGAAGGAATGAAAATT GACCTCATCGATGGCAAAGGCAGGGGTGTGATTGCCACCAAGCAGTTCTCCCGGGGTGAC TTTGTGGTGGAAATACCACGGGGACCTCATCGAGATCACCGACGCCAAGAAACGGGAGGCT CTGTACGCACAGGACCCTTCCACGGGCTGCTACATGTACTATTTTTCAGTATCTGAGCAA ACCTACTGCGTGGATGCAACTAGAGAGACAAATCGCCTAGGAAGACTGATCAATCACAGC AAATGTGGAACTGCCAAACCAAACCTGCACGACATCGACGGCGTACCTCACCTCATCCTC ATCGCCTCCCAGACATCGCGGCTGGGGAGGAGCTCCTGTATGACTATGGGGACCGCAGC AAGCTTCCATTGAAGCCACCCGTTGGCTGAAGCAT
Restriction Sites:	Please inquire
ACCN:	AY102937
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).



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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:	<u>AY102937.1</u> , <u>AAM47033.1</u>
RefSeq Size:	1928 bp
RefSeq ORF:	1059 bp
Locus ID:	387893
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]