

Product datasheet for **SC126474**

KMT5C (BC005842) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KMT5C (BC005842) Human Untagged Clone
Tag:	Tag Free
Symbol:	SUV420H2
Synonyms:	FLJ98627; KMT5C; MGC2705; suppressor of variegation 4-20 homolog 2; suppressor of variegation 4-20 homolog 2 (Drosophila)
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >OriGene sequence for BC005842 edited
 AGCGGATGAGATCGTGGGGCTCACCAGCGTCCCCATGGCTTCTGAGTAGCGTGGGAGTG
 GAGTCAGCACCAAGCCAGGCTCCCCGCGCTGCCCTGCCCTCACCTGCTCCTGCTCTCTG
 CCAGAGGCAGCATGGTCCGCAGGGCACCATGGGGCCGACAGAGTGACAGCACGAGAAGT
 GTGCGAGAACGACGACCTGGCCACCAGCCTCGTCTGGACCCCTACCTCGGTTTCCGCAC
 CCATAAGATGAACGTAGGTCTATCGCTACCTCCGTGCCCTTCTGCCGAAAGTGGCTTT
 ACCATCCCTGGCCCTGCACGCGCTACTCCATGGAGACCAACGGGGCCAAGATCGTGTCCACT
 CGTGCTTGAAAAAAGAATGAGAAGCTGGAGCTGCTGGTGGGCTGCATTGCAGAGCTGCGG
 GAGGCAGATGAGGGGCTGCTGAGGGCCGGTGAATGACTTCAGCATCATGTACTCAACC
 CGCAAGCGGAGTGCTCAGCTGTGGCTGGGCCAGCCGCCTTCATCAACCATGACTGCAAA
 CCCAAGTCAAGTTTGTGCTGCAGATGGGAACGCAGCCTGCGTGAAGGTGCTCCGGGAC
 ATTGAGCCTGGGACGAGGTGACATGCTTCTACGGCGAGGGCTTCTTCGGCGAGAAGAAT
 GAGCACTGTGAATGCCACACCTGTGAGAGGAAAGTGAAGGAGCTTCCGAACAGGCT
 AGGGAGCCCGCTTGCCACCACGGCCCTGGACAAGTACCAGCTGCGTGAGACCAAGCGG
 CGGCTGCAGCAAGCCTGGACAGTGGCAGCCGACAGGGCTGCTGGGCCCTCGGGCTGC
 GTGCACCCATCCCGCTGCGCCGGGACCAATTCTGCGCCGCTGCCAGCCCTGCGCCTG
 CCAGCCTGCAGCGCCCGCCAGACACCTCACCCCTCTGGCTCCAGTGGCTGCCTCAGCCC
 CAGCCCCGAGTGCGGCCCGGAAGCGCCGACGCCCCCGGCCCGGAGGGCCCCAGTGCTC
 TCCACCCACCACGCTGCCCGCTCTCCCTGCACCGATGGGGAGGCTGTGGCCCCACTGC
 CGCCTGCGAGGAGAGGCCCTGGTGGCCCTGGGCCAGCCCCCACGCCGCTGGGCCCT
 CAGCAGGACTGGCACTGGGCCCGGCGCTATGGGCTGCCTACGTGGTGCCTGTGGACCT
 CGTGCCTGGCCCCAGCCCCACCAGTACCCAGCCCTGCTGGGACCCAGGCCCCATC
 CGATCCCGAAGCAGGCCCTCGCCTTCGCCCTTCTCCCCACCAAGCGCCTACGGCTG
 GTGGTCAGCCACGGCTCCATCGACTGGATGTCGGCGGTGAAGAGCTGTGACAGGCCGGA
 CGGGGAGGCCAGCAGGGAGAGAGGGTCTCTCTCTAGCTGTACCCAGGACCTCCAGAA
 GGAGCCCTTGACCTCTGGGAGGGAGCTGACCCTTACTCCAGCATAGCTCTGACCCTGG
 AATGGGGTTGGTTTGGACACCCCGAGGATCTGAGCCCTGACCCTTTGTGACTGTGACC
 CCTGAGCCACCCCACTCCACAGGGAGCCCCGGCCATTTGCTGCCCTCCCCACCCTGC
 CCCAGCCTCAGGACTGCAGGAGCCATCCGCCCCCTCAGCCCTTCTCCCCAGGGAGCA
 AAGCCATAAGGGGAGGGGCCACCCACGCATCTCCCCAGAAGTACAGGCCTCAGGAGG
 AGGTGAACTGATGTAGGGGTGGCACTCCCCAGAGACTGCCCTCACGAGGGGACTGGGT
 TCGCTCTCAGCTCTGCAGCTGTCTGCGGTGGGGGAAGGTTGGGGGTGTCTGGAGGCAT
 GTTCCCCACACCACCCCGTGGGTCTCAGGGAGGCCGGGTGTGACCTCATCTTTCTCAT
 GGTGCTATCCTGGTGCTATTGGGGTGGGGAGCTCCCTCCCTCCCCACACCAGAAAGGG
 GTATGTTGGGGCTTGAAGCACTTGAACTTTTATTTATTAACCTTGTATAAGCA
 GCAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: NotI-NotI

ACCN: BC005842

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:

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: [BC005842.2](#), [AAH05842.1](#)

RefSeq Size: 2067 bp

Locus ID: 84787

Cytogenetics: 19q13.42

Protein Families: Druggable Genome

Protein Pathways: Lysine degradation

Gene Summary: SUV420H2 and the related enzyme SUV420H1 (MIM 610881) function as histone methyltransferases that specifically trimethylate nucleosomal histone H4 (see MIM 602822) on lysine-20 (K20) (Schotta et al., 2004 [PubMed 15145825]).[supplied by OMIM, Dec 2009]