

## Product datasheet for **SC310445**

### SUV420h1 (KMT5B) (NM\_016028) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SUV420h1 (KMT5B) (NM_016028) Human Untagged Clone
Tag:	Tag Free
Symbol:	SUV420h1
Synonyms:	CGI-85; CGI85; MRD51; SUV420H1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_016028 edited ATGAAGTGGTTGGGAGAATCCGAGAACATGGTGGTGAATGGCAGGAGAAATGGAGGCAAG TTGTCTAATGACCATCAGCAGAATCAATCAAAATTACAGCACACGGGGAAGGACACCCTG AAGGCTGGCAAAAATGCAGTCGAGAGGAGTTCGAACAGATGTAATGGTAACTCGGGATTT GAAGGACAGAGTCGCTATGTACCATCCTCTGGAATGTCCGCCAAGGAACTCTGTGAAAAAT GATGACCTAGCAACCAGTTTGGTTCTTGATCCCTATTTAGGTTTTCAAACACACAAAATG AATACTAGCGCCTTTCCTTCGAGGAGCTCAAGGCATTTTTCAAATCTGACAGTTTTTCT CACAACAACCCTGTGAGATTTAGGCCTATTAAGGAAGGCAGGAAGAATAAAGGAAGTA ATTGAACGTTTTAAGAAAGATGAACACTTGGAGAAAGCCTTCAAATGTTTGACTTCAGGC GAATGGGCACGGCACTATTTCTCAACAAGAATAAAATGCAGGAGAAATATTCAAAGAA CATGTATTTATTTATTTGCGAATGTTTGCAACTGACAGTGGATTTGAAATATTGCCATGT AATAGATACTCATCAGAACAAAATGGAGCCAAAATAGTTGCAACAAAAGAGTGGAAACGA AATGACAAAATAGAATTACTGGTGGGTTGTATTGCCGAACTTTCAGAAATGAGGAGAAC ATGCTACTTAGACATGGAGAAAACGACTTCAGTGTGATGACTCCACAAGGAAAAACTGT GCTCAACTCTGGCTGGTCTGCTGCGTTTATAAACCATGATTGCAGACCTAATTGTAAG TTTGTGCAACTGGTCGAGATACAGCATGTGTGAAGGCTTAAGAGACATTGAACCTGGA GAAGAAATTTCTTGTTATTATGGAGATGGGTTCTTTGGAGAAAATAATGAGTTCTGCGAG TGTTACACTTGCAGAAAGACGGGGCACTGGTGCTTTTAAATCCAGAGTGGGACTGCCTGCC CCTGCTCTGTTATCAATAGCAAATATGGACTCAGAGAAACAGATAAACGTTTAAATAGG CTTAAAAAGTTAGGTGACAGCAGCAAAAATTCAGACAGTCAATCTGTCTAGCTCTAACACT GATGCAGATACCACTCAGGAAAAAACAATGCAAGTAAGTAA
Restriction Sites:	NotI-NotI
ACCN:	NM_016028
Insert Size:	2400 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_016028.4.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_016028.4, NP_057112.3</u>
<b>RefSeq Size:</b>	2711 bp
<b>RefSeq ORF:</b>	1182 bp
<b>Locus ID:</b>	51111
<b>UniProt ID:</b>	<u>Q4FZB7</u>
<b>Cytogenetics:</b>	11q13.2
<b>Domains:</b>	SET
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Lysine degradation
<b>Gene Summary:</b>	<p>This gene encodes a protein that contains a SET domain. SET domains appear to be protein-protein interaction domains that mediate interactions with a family of proteins that display similarity with dual-specificity phosphatases (dsPTPases). The function of this gene has not been determined. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (2) has an alternate 3' exon and utilizes an upstream stop codon, compared to variant 1. The resulting isoform (2) is shorter and has a distinct C-terminus compared to isoform 1.</p>