

## Product datasheet for **SC335677**

### SUV420h1 (KMT5B) (NM\_001300909) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SUV420h1 (KMT5B) (NM_001300909) Human Untagged Clone
Tag:	Tag Free
Symbol:	KMT5B
Synonyms:	CGI-85; CGI85; MRD51; SUV420H1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335677 representing NM_001300909. Blue=Insert sequence Red=Cloning site Green=Tag(s)

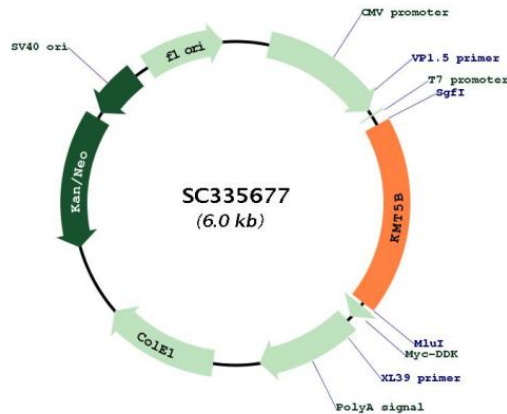
```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGAAGTGGTTGGGAGAATCCAAGAACATGGTGGTGAATGGCAGGAGAAATGGAGGCAAGTTGTCTAAT
GACCATCAGCAGAATCAATCAAAATTACAGCACACGGGGAAGGACACCCTGAAGGCTGGCAAAAATGCA
GTCCGAGAGGAGGTCGAACAGATGTAATGGTAACTCGGGATTTGAAGGACAGAGTCGCTATGTACCATCC
TCTGGAATGTCCGCAAGGAACCTGTGAAAATGATGACCTAGCAACCAGTTTGGTTCTTGATCCCTAT
TTAGGTTTTCAACACACAAAATGAATACTAGATTTAGGCCTATTAAGGAAGGCAGGAAGAATAAAG
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TGGGCACGGCACTATTTCTCAACAAGAATAAAATGCAGGAGAAATTATCAAGAACATGTATTTATT
TATTTGCGAATGTTTGCAACTGACAGTGGATTTGAAATATTGCCATGTAATAGATACTCATCAGAACAA
AATGGAGCCAAAATAGTTGCAACAAAAGAGTGGAAACGAAATGACAAAATAGAATTACTGGTGGGTTGT
ATTGCCGAACTTTAGAAAATGAGGAGAACATGCTACTTAGACATGGAGAAAACGACTTCAGTGTGATG
TACTCCACAAGGAAAACTGTGCTCAACTCTGGCTGGGTCTGCTGCGTTTATAAACCATGATTGCAGA
CCTAATTGTAAGTTTGTGTAACCTGGTCGAGATACAGCATGTGTGAAGGCTCTAAGAGACATTGAACCT
GGAGAAGAAATTTCTTGTATTATGGAGATGGGTTCTTTGGAGAAAATAATGAGTCTGCGAGTGTAC
ACTTGCGAAAGACGGGGCACTGGTCTTTTAAATCCAGAGTGGGACTGCCTGCGCTGCTCTGTTATC
AATAGCAAATATGGACTCAGAGAAAACAGATAAACGTTTAAATAGGCTTAAAAAGTTAGGTGACAGCAGC
AAAAATTCAGACAGTCAATCTGTGAGCTCTAACACTGATGCAGATACCACTCAGGAAAAAACAATGCA
AGTAAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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## Plasmid Map:



ACCN: NM\_001300909

Insert Size: 1113 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:**

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\\_001300909.1](#)

RefSeq Size: 2758 bp

RefSeq ORF: 1113 bp

Locus ID: 51111

UniProt ID: [Q4FZB7](#)

Cytogenetics: 11q13.2

Protein Families: Druggable Genome

Protein Pathways: Lysine degradation

**MW:** 42.1 kDa

**Gene Summary:** 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]

Transcript Variant: This variant (5) uses an alternate first exon, lacks an alternate in-frame exon, and differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (5) has a shorter and distinct C-terminus and lacks an alternate internal segment compared to isoform 1.