**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for SC337281

## SUV420h1 (KMT5B) (NM_001300907) Human Untagged Clone

### Product data:

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| **Product Type:** | Expression Plasmids |
| **Product Name:** | SUV420h1 (KMT5B) (NM_001300907) 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) |



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**Fully Sequenced ORF:**

>NCBI ORF sequence for NM_001300907, the custom clone sequence may differ by one or more nucleotides

ATGCAGGAGAAATTATTCAAAGAACATGTATTTATTTATTTGCGAATGTTTGCAACTGACAGTGGATTTG
AAATATTGCCATGTAATAGATACTCATCAGAACAAAATGGAGCCAAAATAGTTGCAACAAAAGAGTGGAA
ACGAAATGACAAAATAGAATTACTGGTGGGTTGTATTGCCGAACTTTCAGAAATTGAGGAGAACATGCTA
CTTAGACATGGAGAAAACGACTTCAGTGTCATGTACTCCACAAGGAAAAACTGTGCTCAACTCTGGCTGG
GTCCTGCTGCGTTTATAAACCATGATTGCAGACCTAATTGTAAGTTTGTGTCAACTGGTCGAGATACAGC
ATGTGTGAAGGCTCTAAGAGACATTGAACCTGGAGAAGAAATTTCTTGTTATTATGGAGATGGGTTCTTT
GGAGAAAATAATGAGTTCTGCGAGTGTTACACTTGCGAAAGACGGGGCACTGGTGCTTTTAAATCCAGAG
TGGGACTGCCTGCGCCTGCTCCTGTTATCAATAGCAAATATGGACTCAGAGAAACAGATAAACGTTTAAA
TAGGCTTAAAAAGTTAGGTGACAGCAGCAAAAATTCAGACAGTCAATCTGTCAGCTCTAACACTGATGCA
GATACCACTCAGGAAAAAAACAATGCAACTTCTAACCGAAAATCTTCAGTTGGCGTAAAAAAGAATAGCA
AGAGCAGAACGTTAACGAGGCAATCTATGTCAAGAATTCCAGCTTCTTCCAACTCTACCTCATCTAAGCT
AACTCATATAAATAATTCCAGGGTACCAAAGAAACTGAAGAAGCCTGCAAAGCCTTTACTTTCAAAGATA
AAATTGAGAAATCATTGCAAGCGGCTGGAGCAAAAGAATGCTTCAAGAAAACTCGAAATGGGAAACTTAG
TACTGAAAGAGCCTAAAGTAGTTCTGTATAAAAATTTGCCCATTAAAAAAGATAAGGAGCCAGAGGGACC
AGCCCAAGCCGCAGTTGCCAGCGGGTGCTTGACTAGACACGCGGCGAGAGAACACAGACAGAATCCTGTG
AGAGGTGCTCATTCGCAGGGGGAGAGCTCGCCCTGCACCTACATAACTCGGCGGTCAGTGAGGACAAGAA
CAAATCTGAAGGAGGCCTCTGACATCAAGCTTGAACCAAATACGTTGAATGGCTATAAAAGCAGTGTGAC
GGAACCTTGCCCCGACAGTGGTGAACAGCTGCAGCCAGCTCCTGTGCTGCAGGAGGAAGAACTGGCTCAT
GAGACTGCACAAAAAGGGGAGGCAAAGTGTCATAAGAGTGACACAGGCATGTCCAAAAAGAAGTCACGAC
AAGGAAAACTTGTGAAACAGTTTGCAAAAATAGAGGAATCTACTCCAGTGCACGATTCTCCTGGAAAAGA
CGACGCGGTACCAGATTTGATGGGTCCCCATTCTGACCAGGGTGAGCACAGTGGCACTGTGGGCGTGCCT
GTGAGCTACACAGACTGTGCTCCTTCACCCGTCGGTTGTTCAGTTGTGACATCAGATAGCTTCAAAACAA
AAGACAGCTTTAGAACTGCAAAAAGTAAAAAGAAGAGGCGAATCACAAGGTATGATGCACAGTTAATCCT
AGAAAATAACTCTGGGATTCCCAAATTGACTCTTCGTAGGCGTCATGATAGCAGCAGCAAAACAAATGAC
CAAGAGAATGATGGAATGAACTCTTCCAAAATAAGCATCAAGTTAAGCAAAGACCATGACAACGATAACA
ATCTCTATGTAGCAAAGCTTAATAATGGATTTAACTCAGGATCAGGCAGTAGTTCTACAAAATTAAAAAT
CCAGCTAAAACGAGATGAGGAAAATAGGGGGTCTTATACAGAGGGGCTTCATGAAAATGGGGTGTGCTGC
AGTGATCCTCTTTCTCTCTTGGAGTCTCGAATGGAGGTGGATGACTATAGTCAGTATGAGGAAGAAAGTA
CAGATGATTCCTCCTCTTCTGAGGGCGATGAAGAGGAGGATGACTATGATGATGACTTTGAAGACGATTT
TATTCCTCTTCCTCCAGCTAAGCGCTTGAGGTTAATAGTTGGAAAAGACTCTATAGATATTGACATTTCT
TCAAGGAGAAGAGAAGATCAGTCTTTAAGGCTTAATGCCTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM_001300907

**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).

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| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001300907.1, NP_001287836.1 |
| **RefSeq Size:** | 5835 bp |
| **RefSeq ORF:** | 2142 bp |
| **Locus ID:** | 51111 |
| **Cytogenetics:** | 11q13.2 |
| **Protein Families:** | Druggable Genome |
| **Protein Pathways:** | Lysine degradation |
| **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]<br>Transcript Variant: This variant (3) contains an alternate exon and uses a downstream start codon compared to variant 1. The resulting isoform (3) is shorter at the N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. |