

## Product datasheet for **SC127446**

### SUV420h1 (KMT5B) (NM\_017635) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                               |
| Product Name:             | SUV420h1 (KMT5B) (NM_017635) Human Untagged Clone |
| Tag:                      | Tag Free  |
| Symbol:                   | SUV420h1  |
| Synonyms:                 | CGI-85; CGI85; MRD51; SUV420H1                    |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u><a href="#">pCMV6-XL5</a></u>                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                            |



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**Fully Sequenced ORF:** >OriGene ORF within SC127446 sequence for NM\_017635 edited (data generated by NextGen Sequencing)

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ATGAAGTGGTTGGGAGAATCCAAGAACATGGTGGTGAATGGCAGGAGAAATGGAGGCAAG
TTGTCTAATGACCATCAGCAGAATCAATCAAAATTACAGCACACGGGGAAGGACACCCCTG
AAGGCTGGCAAAAATGCAGTCGAGAGGAGGTGCAACAGATGTAATGGTAACTCGGGATTT
GAAGGACAGAGTCGCTATGTACCATCCTCTGGAATGTCGCAAGGAACTCTGTGAAAAT
GATGACCTAGCAACCAGTTTGGTTCTTGCCTATTTAGGTTTTCAAACACACAAAAATG
AATACTAGCGCCTTTCTTCGAGGAGCTCAAGGCATTTTTCAAATCTGACAGTTTTTCT
CACAACAACCCTGTGAGATTTAGGCCTATTAAGGAAGGCAAGGAAGAACTAAAGGAAGTA
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GAATGGGCACGGCACTATTTTCTCAACAAGAATAAAATGCAGGAGAAATATTCAAAGAA
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CTGAAGAAGCCTGCAAAGCCTTTACTTTCAAAGATAAAAATTGAGAAATCATTGCAAGCGG
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CTAAAACGAGATGAGGAAAATAGGGGTCTTATACAGAGGGGCTTATGAAAATGGGGTG
TGCTGCAGTGATCCTCTTCTCTTGGAGTCTCGAATGGAGGTGGATGACTATAGTCAG
TATGAGGAAGAAAGTACAGATGATTCTCCTCTTCTGAGGGCGATGAAGAGGAGGATGAC
TATGATGATGACTTTGAAGACGATTTTATTCTCTTCTCCAGCTAAGCGCTTGAGGTTA
ATAGTTGAAAAGACTCTATAGATATTGACATTTCTTCAAGGAGAAGAGAAGATCAGTCT
TTAAGGCTTAATGCCTAA
    
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Clone variation with respect to NM\_017635.3

|                                     |   |
|-------------------------------------|---|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for NM_017635 unedited</p> <pre>AATATTTGTAATACGAACNCACTATAGGGCGGCCGCAATTCGGCACGAGGCGGCGGTGC GGGCGGCAGGGCAGCGGGGCGATGAGGTGAGGACGCCCGGAACCGGAGGCGCACCCGCG CGGCGCACGGACCTGGGACCGGAGTCTGAAGCCGGCGGACGGTTTTTCGTACGGGCGGC CGTGCCGAGGGCAGGAGAGAAAATTGAAAGTATTCTCTAAGCTATTTGAAGAGAGTGA CTAAATGCACCTGGGTCAGGCTGTCTGTGGGTATGAAGTGGTTGGGAGAATCCAAGAACA TGGTGGTGAATGGCAGGAGAAATGGAGGCAAGTTGTCTAATGACCATCAGCAGAATCAAT CAAAATTACAGCACACGGGGAAGGACACCCTGAAGGCTGGCAAAAATGCAGTCGAGAGGA GGTCAACAGATGTAATGGTAACTCGGGATTTGAAGGACAGAGTCGCTATGTACCATCCT CTGGAATGTCCGCCAAGGAACTCTGTGAAAATGATGACCTAGCAACCAGTTTGGTTCTTG ATCCCTATTTAGGTTTTCAAACACACAAAATGAATACTAGCGCCTTTCCTTCGAGGAGCT CAAGGCATTTTTCAAATCTGACAGTTTTTCTCACAACAACCCTGTGAGATTTANGCCTA TTAAAGGAAGGCAGGAAGAACTAAAGGAAGTAATTGAACGTTNTAAGAAAGATGAACACT TGGAGAAAGCCTTCANATGTTTGACTTCANGCGAATGGGCACGGCACTATTTTCTCAACA GAATANNATGCAGAGAAATATTNCAAGACATGTATTTATTTATTTGCGAAATGTTGCAAC TGACAGTGGATTGAAATATGGCCATGTAATAGAACTCATAGAAA</pre>  |
| <b>3' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 3' read for NM_017635 unedited</p> <pre>ATGAACGCGGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTAAAGAAACCAATCTG ACTCCCAACCAATGGTTTGGCATATTAACAAAGGCCACAAACAGTACACCTGGGCCAGCA AACAGTGTGAAACTGACAAAACCTCAAGGGGNGAAACATCTAGCAATAAATCAAAAAGC CAAAGATCATTGCTGGTATATTAGCATACTAGAAACCCTTAATATGCTGCTACTATGAT TTGTTTTAAATTATTGTTTAGTCATATATTAAGAGCCAGCTGATGCTCTTACAGTTAAA AAAAGTGTGAGCCACATTACTGTTTTCAACGTCCTGTGTGAAAAGTTGCTATCACTGTA CAATTTTGCTTGAGCCTTATTTTACAACAGGGCTTTACCTCTAACTCAGAAATGCACGT AAGAAGGCTATTTAAAAAGTACGATAAAAAATTTGCACAAATCAGACTTAAGAATTGAGTC AGTATGCTGTACACTTTTACAATAGTATGCTGATAAGTGAAGGGACAATAGAAGTGCTG CCACTAACTTTCAGTTGAGGAATAATTGACTGGAATTTTTTATTTCTTTAAAGTAGTTA TCCCAGGTCAAGTTAAGACCAAGAGCTTAGGCATTAAGCCTTAAGACTGATCTTCTCTT CTCCTTGAAGAAATGCAATATCTATAGAGTCTTTTCCAATTTAACCTCAAGCGCTTA GCTGGAGGAAGAGGAATAAAATCGTCTTCAAAGTCATCATATAGTCATCCTCCTCTTCA TCGCCCTCAGAAGAAGGAGAATCATCTGTACTTTCTCCTCATACTGACTATAGNCATCC ACCTCCATTTCGAGACTCCAGAGAGAAAGAGGATCACTGCAGCACACCCCATNTCATGA AGCCCCTCTGTATAAGAACCCTATNTNCTCATCTCGNTTAANCTGGATTTTAATTTGTA GAACACTGCCTGATCCTGAGNTAAATCATNATTAAGCTTGCTCATANAAAATGTATCGTG NCATGGGCTTGT</pre> |
| <b>Restriction Sites:</b>           | NotI-NotI   |
| <b>ACCN:</b>                        | NM_017635   |
| <b>Insert Size:</b>                 | 3570 bp   |
| <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>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>                | <a href="#">NM_017635.3</a> , <a href="#">NP_060105.3</a>   |
| <b>RefSeq Size:</b>           | 4562 bp   |
| <b>RefSeq ORF:</b>            | 2658 bp   |
| <b>Locus ID:</b>              | 51111   |
| <b>UniProt ID:</b>            | <a href="#">Q4FZB7</a>  |
| <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 (1) encodes the longest 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.</p> |