

## Product datasheet for **RG239191**

### **SUV420h1 (KMT5B) (NM\_001300908) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	SUV420h1 (KMT5B) (NM_001300908) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SUV420h1
Synonyms:	CGI-85; CGI85; MRD51; SUV420H1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RG239191 representing NM\_001300908.  
Blue=ORF Red=Cloning site Green=Tag(s)

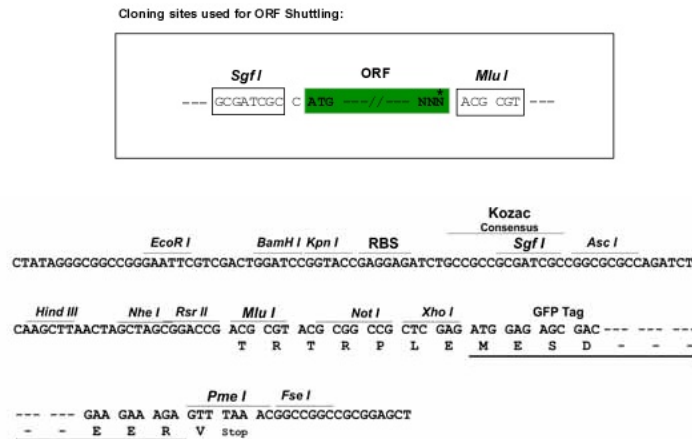
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGCTACTTAGACATGGAGAAAACGACTTCAGTGTTCATGTACTCCACAAGAAAACTGTGCTCACTC
TGGCTGGTCTCTGCTGCGTTTATAAACCATGATTGCAGACCTAATTGTAAGTTTGTGCACTGGTCGA
GATACAGCATGTGTGAAGGCTCTAAGAGACATTGAACCTGGAGAAGAAATTTCTGTTATTATGGAGAT
GGTTCCTTTGGAGAAAATAATGAGTTCTGCGAGTGTACACTTGCAGAAAGACGGGCACTGGTGCTTTT
AAATCCAGAGTGGGACTGCCTGCGCCTGCTCCTGTTATCAATAGCAAATATGGACTCAGAGAAACAGAT
AAACGTTTAAATAGGCTTAAAAAGTTAGGTGACAGCAGCAAAAATTCAGACAGTCAATCTGTCAGCTCT
AACACTGATGCAGATACCACTCAGGAAAAACAATGCAACTTCTAACCGAAAATCTTCAGTTGGCGTA
AAAAAGAATAGCAAGAGCAGAACGTTAACGAGGCAATCTATGTCAAGAATTCAGCTTCTCCAACCTCT
ACCTCATCTAAGCTAACTCATATAAATAATTCCAGGGTACCAAAGAACTGAAGAAGCCTGCAAAGCCT
TTACTTTCAAAGATAAAATTTGAGAAATCATTGCAAGCGGCTGGAGCAAAGAATGCTTCAAGAAAATC
GAAATGGGAAACTTAGTACTGAAAGAGCCTAAAGTAGTCTGTATAAAAAATTTGCCATTAAAAAGAT
AAGGAGCCAGAGGGACCAGCCAAAGCCGAGTTGCCAGCGGGTGCTTGACTAGACACGCGCGGAGAGAA
CACAGACAGAATCCTGTGAGAGGTGCTCATTCCGAGGGGAGAGCTCGCCCTGCACCTACATAACTCGG
CGGTCACTGAGGACAAGAACAAATCTGAAGGAGGCCTCTGACATCAAGCTTGAACCAAATACGTTGAAT
GGCTATAAAAGCAGTGTGACGGAACCTTGCCCGACAGTGGTGAACAGCTGCAGCCAGCTCCTGTGCTG
CAGGAGGAAGAACTGGCTCATGAGACTGCACAAAAGGGGAGGCAAAAGTGCATAAGAGTGACACAGGC
ATGTCCAAAAGAAGTACGACAAGGAAAACCTTGTAACAGTTTGCAAAAATAGAGGAATCTACTCCA
GTGCACGATTCTCTGGAAAAGACGACGCGGTACCAGATTTGATGGGTCCCATTCTGACCAGGGTGAG
CACAGTGGCACTGTGGGCGTGCCTGTGAGCTACACAGACTGTGCTCCTTACCCGTCGGTTGTTCAGTT
GTGACATCAGATAGCTTCAAACAAAAGACAGCTTTAGAACTGCAAAAAGTAAAAAGAAGAGGCGAATC
ACAAGGTATGATGCACAGTTAATCCTAGAAAATAACTCTGGGATCCCAAATGACTCTTCGTAGGCGT
CATGATAGCAGCAGCAAAAACAAATGACCAAGAGAATGATGGAATGAACTTCCAAAATAAGCATCAAG
TTAAGCAAAGACCATGACAACGATAACAATCTCTATGTAGCAAAGCTTAATAATGGATTTAACTCAGGA
TCAGGCAGTAGTTCTACAAAATAAAAATCCAGCTAAAACGAGATGAGGAAAATAGGGGCTTTATACA
GAGGGGCTTCATGAAAATGGGGTGTGCTGCAGTGATCCTTTCTCTCTGGAGTCTCGAATGGAGGTG
GATGACTATAGTCAGTATGAGGAAGAAAGTACAGATGATTCTCTCTCTGAGGGCGATGAAGAGGAG
GATGACTATGATGATGACTTTGAAGACGATTTTATTCTCTCTCCAGCTAAGCGCTTGAGGTTAATA
GTTGAAAAGACTCTATAGATATTGACATTTCTCAAGGAGAAGAGAAGATCAGTCTTTAAGGCTTAAT
GCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG239191  
 Blue=ORF Red=Cloning site Green=Tag(s)

MLLRHGENDFSVMYSTRKNCAQLWLGPAAFINHDCRPNCKFVSTGRDTACVKALRDIEPGEEISCYYGD  
 GFFGENNEFCECYTCERRGTGAFKSRVGLPAPAPVINSKYGLRETDKRLNRLKKLGDSSKNSDSQSVSS  
 NTDADTTQEKNNATSNRKSSVGKKNKSRTLTRQMSRIPASSNSTSSKLTHINNSRVPKLKKPAKP  
 LLSKIKLRNHCKRLEQKNASRKLEMGNLVLKEPKVVLKYNLPKIKKDEPEGPAQAASGCLTRHAARE  
 HRQNPVPGAHSQGESPCYITRRSVRTRTNLKEASDIKLEPNTLNGYKSSVTEPCDSEGLQPAPVL  
 QEEELAHETAQKGEAKCHKSDTGMSKKSRQGKLVKQFAKIEESTPVHDSPGKDDAVPDLMGPHSDQGE  
 HSGTVGVPVSYTDCAPSPVGCSSVTSDFSFKTKDSFRATAKSKKRRITRYDAQLILENNSGIPKLTLLRRR  
 HDSSKNTDQENDGMSSKISIKLSKDHDNDNLVYAKLNGFNSSGSSSTKLIKLRDEENRGSYT  
 EGLHENGVCSDPLSLESRMEVDDYSQYEEESTDDSSSEGDEEEDDYDDDFEDDFIPLPPAKRLRLI  
 VGKDSIDIDISSRRREDQSLRLNA  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPISILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001300908

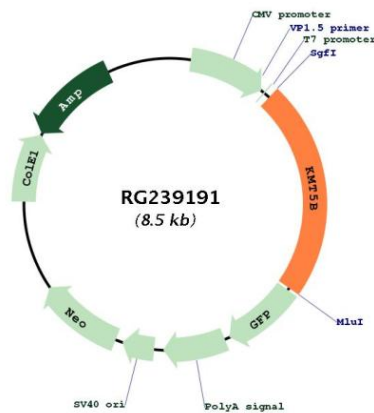
**ORF Size:** 1935 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<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>RefSeq:</b>	<a href="#">NM_001300908.2</a>
<b>RefSeq Size:</b>	5802 bp
<b>RefSeq ORF:</b>	1938 bp
<b>Locus ID:</b>	51111
<b>Cytogenetics:</b>	11q13.2
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Lysine degradation
<b>MW:</b>	72 kDa
<b>Gene Summary:</b>	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]

**Product images:**



Circular map for RG239191