

## Product datasheet for **RG239387**

### **SUV420h1 (KMT5B) (NM\_001300907) Human Tagged ORF Clone**

#### **Product data:**

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



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**ORF Nucleotide Sequence:**

>RG239387 representing NM\_001300907.  
 Blue=ORF Red=Cloning site Green=Tag(s)

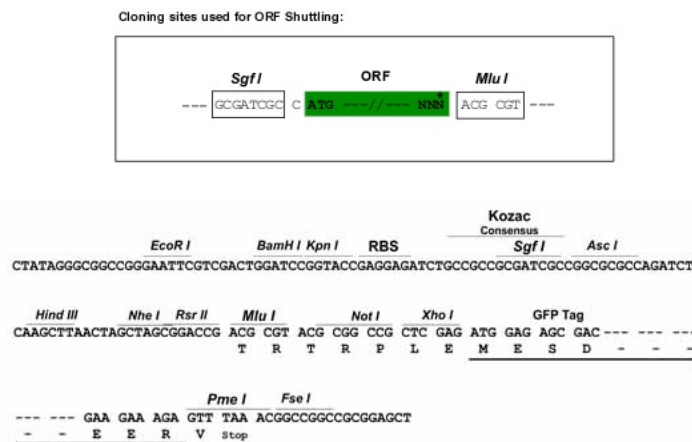
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GGAAAAGACTCTATAGATATTGACATTTCTCAAGGAGAAGAGAAGATCAGTCTTTAAGGCTTAATGCC
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
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**Protein Sequence:** >Peptide sequence encoded by RG239387  
 Blue=ORF Red=Cloning site Green=Tag(s)

MQEKL FKEHVFIYLRMFATDSGFEILPCNRYSEQNGAKIVATKEWKRNDKIELLVGCI AELSEIEENM  
 LLRHGENDFSVMYSTRKNCAQLWLGPAAFINHDCRPNCKFVSTGRDTACVKALRDIEPGEEISCYGDG  
 FFGENNEFC EYTCERRGTGAFKSRVGLPAPAPVINSKYGLRETDKRLNRLKKGDSKNSDSQSVSSN  
 TDADTTQEKNNATSNRKS SVGVKKNKSRRTL TRQSMRIPASSNSTSSKLTHINNSRVPKLKKPAKPL  
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 RQNPVRGAHSQGESSPCTYITRRSVRTRTNLKEASDIKLEPNTLNGYKSSVTEPCPDSGEQLQPAPVLQ  
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 MGYGFYHFGTYP SGYENPFLHAINNGGYTNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPE  
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001300907

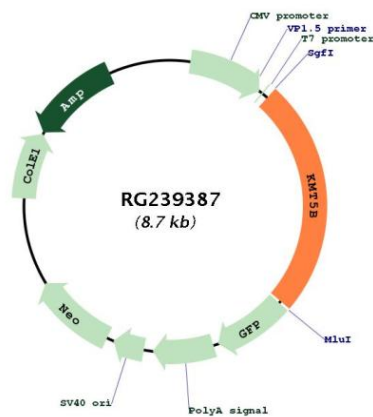
**ORF Size:** 2139 bp

**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>	<u><a href="#">NM_001300907.1</a></u> , <u><a href="#">NP_001287836.1</a></u>
<b>RefSeq Size:</b>	5835 bp
<b>RefSeq ORF:</b>	2142 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>	80 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 RG239387