

Product datasheet for **RG237783**

SUV420h1 (KMT5B) (NM_001300909) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SUV420h1 (KMT5B) (NM_001300909) 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)
ORF Nucleotide Sequence:	>RG237783 representing NM_001300909. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGAAGTGGTTGGGAGAATCCAAGAACATGGTGGTGAATGGCAGGAGAAATGGAGGCAAGTTGTCTAAT
GACCATCAGCAGAATCAATCAAAATTACAGCACACGGGGAAGGACACCCTGAAGGCTGGCAAAAATGCA
GTCGAGAGGAGGTCGAACAGATGTAATGGTAACCGGGATTTGAAGGACAGAGTCGCTATGTACCATCC
TCTGGAATGTCCGCCAAGGAACCTGTGAAAATGATGACCTAGCAACCAGTTTGGTCTTGATCCCTAT
TTAGGTTTTCAAACACACAAAATGAATACTAGATTTAGGCCTATTAAGGAAGGCAGGAAGAATAAAG
GAAGTAATTGAACGTTTTAAGAAAGATGAACACTTGGAGAAAGCCTTCAAATGTTTGACTTCAGGCGAA
TGGGCACGGCACTATTTCTCAACAAGAATAAAATGCAGGAGAAATTATTCAAAGAACATGTATTTATT
TATTTGCGAATGTTTGCAACTGACAGTGGATTTGAAATATTGCCATGTAATAGATACTCATCAGAACAA
AATGGAGCAAAAATAGTTGCAACAAAAGAGTGGAAACGAAATGACAAAATAGAATTACTGGTGGGTTGT
ATTGCCGAACTTTCAGAAATTGAGGAGAACATGCTACTTAGACATGGAGAAAACGACTTCAGTGTGATG
TACTCCACAAGGAAAACTGTGCTCAACTCTGGCTGGGTCCTGCTGCGTTTATAAACCATGATTGCAGA
CCTAATTGTAAGTTTGTGCAACTGGTCGAGATACAGCATGTGTGAAGGCTCTAAGAGACATTGAACCT
GGAGAAGAAATTTCTTGTATTATGAGAGATGGGTTCTTTGGAGAAAATAATGAGTCTGCGAGTGTAC
ACTTGGCAAAGACGGGGCACTGGTCTTTTAAATCCAGAGTGGGACTGCCTGCGCCTGCTCCTGTTATC
AATAGCAAATATGGACTCAGAGAAACAGATAAACGTTTAAATAGGCTTAAAAAGTTAGGTGACAGCAGC
AAAAATTCAGACAGTCAATCTGTGAGCTCTAACTGATGCAGATACCACTCAGGAAAAAACAATGCA
AGTAAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237783
 Blue=ORF Red=Cloning site Green=Tag(s)

MKWLGESKNMNVNRRNGGKLSNDHQNQSKLQHTGKDTLKAGNAVERRSNRCNGNSGFEGQSRVYVPS
 SGMSAKELCENDDLATSLVLDPYLGFQTHKMNTRFRPIKGRQEELKEVIERFKKDEHLEKAFKCLTSGE
 WARHYFLNKNMQEKLKEHVFIYLRMFATDSGFEILPCNRYSSQNGAKIVATKEWKRNDKIELLVGC
 IAELSEIEENMLLRHGENDFSVMYSTRKNCAQLWLGPAAFINHDCRPNCKFVSTGRDTACVKALRDIEP
 GEEISCYYDGGFFGENNEFCECYTCERRGTGAFKSRVGLPAPAPVINSKYGLRETDKRLNRLKKGDSS
 KNSDSQSVSSNTDADTTQEKNNASK
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001300909

ORF Size: 1110 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.

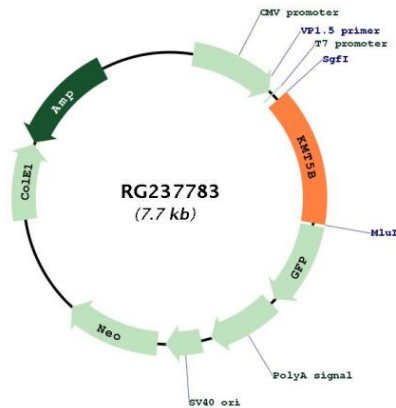
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001300909.2](#)

RefSeq Size: 2758 bp

RefSeq ORF:	1113 bp
Locus ID:	51111
UniProt ID:	<u>Q4FZB7</u>
Cytogenetics:	11q13.2
Protein Families:	Druggable Genome
Protein Pathways:	Lysine degradation
MW:	42.5 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]

Product images:



Circular map for RG237783