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Product datasheet for RC212182

SUV420h1 (KMT5B) (NM_017635) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SUV420h1 (KMT5B) (NM_017635) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SUV420h1
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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ORF Nucleotide Sequence:

>RC212182 representing NM_017635
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RC212182 representing NM_017635
Red=Cloning site Green=Tags(s)

MKWLGESKNMVVNGRRNGGKLSNDHQQNQSKLQHTGKDTLKAGKNAVERRSNRCNGNSGFEGQSRYVPSS
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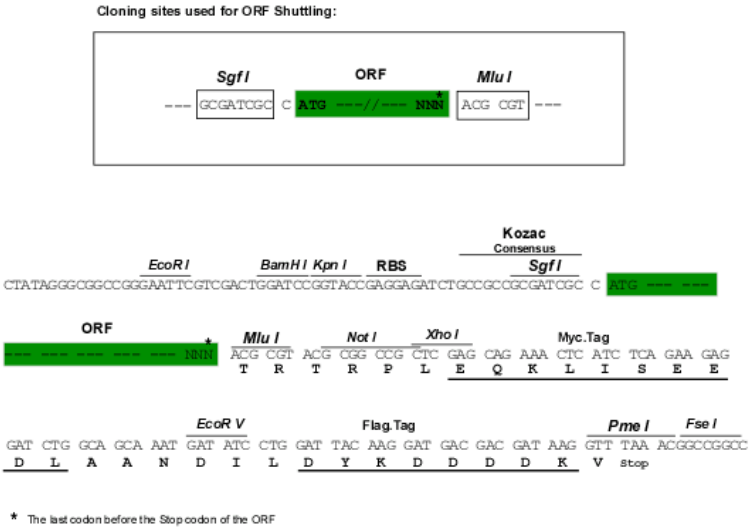
Chromatograms: https://cdn.origene.com/chromatograms/mg2764_f09.zip

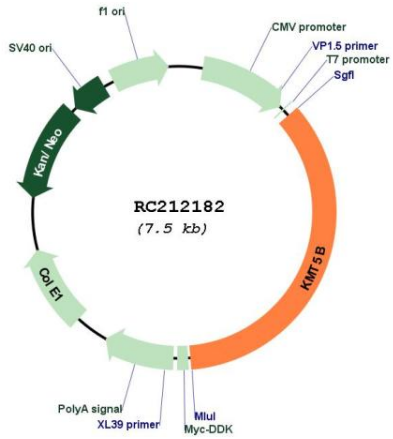
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_017635
ORF Size:	2655 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).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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_017635.5
RefSeq Size:	4562 bp
RefSeq ORF:	2658 bp
Locus ID:	51111
UniProt ID:	Q4FZB7
Cytogenetics:	11q13.2
Domains:	SET
Protein Families:	Druggable Genome
Protein Pathways:	Lysine degradation
MW:	99 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 RC212182