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Product datasheet for RC233203

MSL1v1 (KANSL1) (NM_001193466) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MSL1v1 (KANSL1) (NM_001193466) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MSL1v1
Synonyms:	CENP-36; hMSL1v1; KDVS; KIAA1267; MSL1v1; NSL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC233203 representing NM_001193466
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCGATGGCGCCCGCTCTCACTGACGCAGCAGCTGAAGCACACCATATCCGGTTCAAACTGGCTC
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AGACATTTACAAACAGATACGTGCTAATAAGGGGTTGATAGTTCTTGGGGAGGTACCTCCCCCAGAGCAT

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ACAACAGACTTATTTCTTCCACTTAGTTCTGAGGTGAAGACAGATCATGGGACTGATAAATTGATTGAGT
CTGTTTCTCAGCCATTGGAAAACCATGGTGCCCCTATTATTGGTCATATTTCAGAGTCACTGTCTACCAA
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GGGAGACAGAGGCAGCGCCCACCTCGCCTCCCATTGTCCCCCTCAAGAGTCGGCATCTGGTGGCAGCAGC
CACAGCTCAGCGCCCGACTCACAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RC233203 representing NM_001193466
Red=Cloning site Green=Tags(s)

MAAMAPALTDAAAEAHHIRFKLAPPSSTLSPGSAENNGNANILIAANGTKRKAIAAEDPSLDFRNNPTKE
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KKLSLKHRAPMPGSLPDSARKDRHKLVSSFLTTAKLSHHQTRPDRTHRQHLDDVGAVPMVERVTAPKAER
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DLSDAAFAALHAKCEEMERARWLWTTSVPPQRRGSRSYRSSDGRTTPQLGSANPSTPQPASPDVSSSHSL
SEYSHGQSPRSPISPELHSAPLTPVARDTPRHLASEDTRCSTPELGLDEQSVQPWERRTFPLAHSPQAEC
EDQLDAQERAARCTRRTSGSKTGRETEAAPTSPPIVPLKSRHLVAAATAQRPTHR

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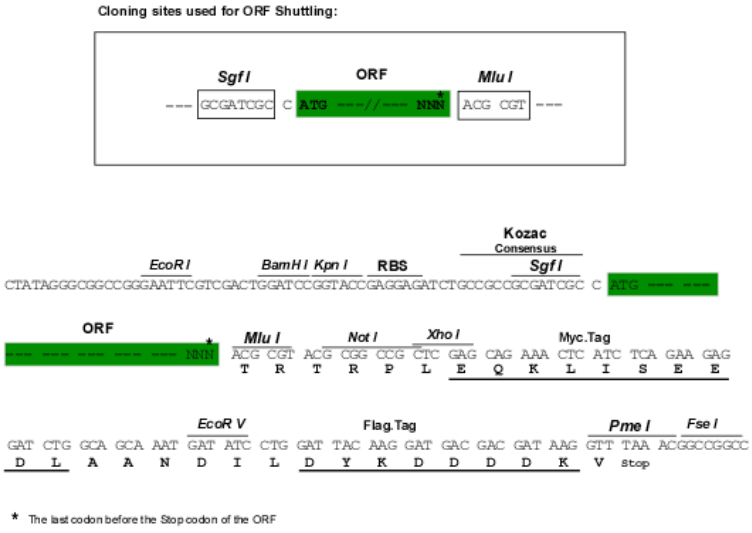
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001193466

ORF Size: 3315 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001193466.2

RefSeq Size: 5357 bp

RefSeq ORF: 3318 bp

Locus ID: 284058

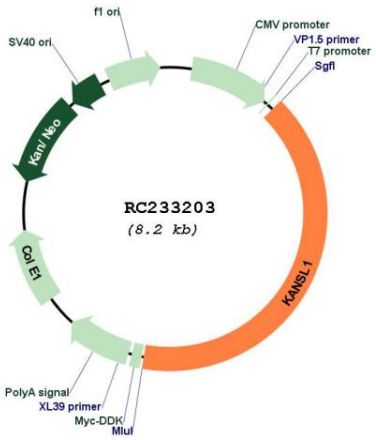
UniProt ID: Q7Z3B3

Cytogenetics: 17q21.31

MW: 121.4 kDa

Gene Summary: This gene encodes a nuclear protein that is a subunit of two protein complexes involved with histone acetylation, the MLL1 complex and the NSL1 complex. The corresponding protein in Drosophila interacts with K(lysine) acetyltransferase 8, which is also a subunit of both the MLL1 and NSL1 complexes. [provided by RefSeq, Jun 2012]

Product images:



Circular map for RC233203