

## Product datasheet for **SC126936**

### MSL1v1 (KANSL1) (NM\_015443) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MSL1v1 (KANSL1) (NM_015443) Human Untagged Clone
Tag:	Tag Free
Symbol:	MSL1v1
Synonyms:	CENP-36; hMSL1v1; KDVS; KIAA1267; MSL1v1; NSL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015443, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCGATGGCGCCCGCTCTCACTGACGCAGCAGCTGAAGCACACCATATCCGGTTCAAACCTGGCTC
CCCCATCTCTACCTTGTCCCCTGGCAGTGCCGAAAATAACGGCAACGCCAACATCCTTATTGTGCCAA
CGGAACCAAAAAGAAAAGCCATTGCTGCAGAGGATCCCAGCCTAGATTTCCGAAATAATCCTACCAAGGAA
GACTTGGGAAAGCTGCAACCACTGGTGGCATCTTATCTCTGCTCTGATGTAACATCTGTTCCCTCAAAGG
AGTCTTTGAAGTTGCAAGGGGTCTTCAGCAAGCAGACAGTCTTAAATCTCATCTCTCTTATCTCAGTC
CTATGAACTCCGAGCTGAGCTGTTGGGGAGACAGCCAGTTTTGGAGTTTTCCCTAGAAAACTTAGAACC
ATGAATACGAGTGGTTCAGACAGCTCTGCCACAAGCACCTGTAATGGGTTGGCTAAGAAATTGACTAAAA
GTTCAACACATTCTGATCATGACAATTCCACTTCCCTCAATGGGGGAAAACGGGCTCTCACTTCATCTGC
TCTTCATGGGGGTGAAATGGGAGGATCTGAATCTGGGGACTTGAAGGGGGTATGACCAATTGCACTCTT
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TCAATTCATGGAACAGCCGGCCTTCAAGGAAGCAGTAGATTACACCTGGTACAGACTCCAGCTCTAA
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ACAACAGACTTATTTCTCCACTTAGTTCTGAGGTGAAGACAGATCATGGGACTGATAAATTGATTGAGT
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ATCATGTGGAGCACTCAGACCTGTCAATGGAGTTATTAACACTCTTCAGCCTGTCTTGGCAGACCACATT  
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 CTGATGGCACCTGTGTGGCAGCCCGGACACGTCCTGTACTGAGCTGTAAGAAGCGGAGGCTTGTTCGACC  
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 CCCTCTGCGCACTGTGTGGTTCAGGCAGCATCAACACCATGCCTCCCGAAATTCAGTATGAAGCCCCTC  
 TGTTGGAACGTCTTTCCAGTTGGACTTTGTGTTTCATCTGTCTAGCATTTCAGATGATGTTCCAC  
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 GGGAGACAGAGGCAGCGCCACCTCGCCTCCCATTTGTCCCCTCAAGAGTCGGCATCTGGTGGCAGCAGC  
 CACAGCTCAGCGCCCGACTCACAGATGA

**5' Read Nucleotide  
 Sequence:**

>OriGene 5' read for NM\_015443 unedited  
 GTGAAATTCGGCACCGAGTGGCATACCTTCTCGAAACAAAAGATTTTCTACCTGCCTTA  
 TACTTGGTAACCGAGGGAATTAAGACTTCTTGCTCATTTCTGAGTATTGCTTTATA  
 TCCTGACACTATGAATGCTACTTGGATGCCTCTTAAGTCTGTTCTCTGGGAGGCAGTAA  
 GGGGCCGTGGAGCTGGCCTCGGCCTCGGCATCGGGAGAGGCTGGACTTCTGTCTCTG  
 TGCTGAATGGCTGCGATGGCGCCGCTCTCACTGACGCAGCAGCTGAAGCACACCATATC  
 CGGTTCAAACCTGGCTCCCCATCCTCTACCTTGTCCCCTGGCAGTGCCGAAAATAACGGC  
 AACGCCAACATCCTTATTGCTGCCAACGGAACCAAAAAGAAAAGCCATTGCTGCAGAGGAT  
 CCCAGCCTAGATTTCCGAAATAATCCTACCAAGGAAGACTTGGGAAAGCTGCAACCACTG  
 GTGGCATCTTATCTCTGCTCTGATGTAACATCTGTTCCCTCAAAGGAGTCTTTTGAAGTG  
 CNAANGGGTCTTCAGCAAGCAGACAGTCTTANATCTCATCCTCTTTAAATCTCAGTCC  
 TATGAACTCCGAGCCTTGAAGCTGTTGGGAAACAGCCAGTNNTTGGGGGGAGTTTTCCCTT  
 AGAAAATCTTAGAACCATGATACCCGAGTGGTCAGACAGCTCTGCCACAGCCTGANAAG  
 GGGGGGTTGGCTAAAAATGAGCTTAAAAGTCAACATTTCTGATCATGACAATTCCA

<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_015443 unedited            CCCCCCCCCNNTTNCNCCCCCCCCNCCCCCCTGACTTGCNACGGGCCGCATCTACATCG            GTTTTTTTTTTTTTTTTTTTTTTTTTTCTCCGGGACCTTTTTTTTTTATTTTTTCCAATC            TTCCCTTCTTTTTTTTTTTAAGCACTAGTTTGGGCTTTGCGACCAGCATCAAGACATTA            ACAAAGATCAGCTTCTCTGAAGAAAAGCATTTTTATAGAACAAGACAGCTACATGTTTC            GTTGCCATTACACAACCTCAAAGCAGGAAAAGAAAATTTACAAAATACAAGGGTTCTT            TTTTCCCATTTTTGGATTTGGCTTTTTTTTCCAACGCTAACAGGGCTATTAATAATTTTC            ACCCTTATAAAAAAAGCCCTTTCATGCATAGGGATAGGGGCATAATCGCCTTCTCT            TTTTAAAGAAACAATGACAACCTTTTAAACGGCCCCCACAATAATTTCTAGTGC            CCAAACCCGTGAAAACCCCCACCCCTCAAACACCTGCCTCCCCCTCCACCCACCCCC            CAAAGGGCCACCAACAAGGAAGTTCCCCCCCCCCCCCCTTCTTTGTGGGAGTGAT            TATACGGGACCCAGGCACAACGGCCTACAAGAACACGGTGAAGGGCCAACTTGGCC            ACCCCCTAGTTCCCCCCCCCTCTGCCGTTCCCCCGCCCCACGCGGAGTCGCGATAC            AAACCACCCCGGCACCTCCCCCACGCGGGTATCCCGCTCGTCCAAGGCATTCTTG            GGTCAGCGCCGTTCTCGCGCCAACAAAATAATTATTTACCCCGGCCAGCGGCC            GCCCTACCCCCCTCCCCCTCAATCTTGATCGCGGAAGGGGTAAAAGAAGTACCG            CACACCCCACTCACCTCTCACACCCCTGACTCGCGTTCCGCACTTTTCCCTCTC            CCCACGACATACTCCCATTTAACTCCCCCGCGCCCCACCAN</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_015443
<b>Insert Size:</b>	4860 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<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>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_015443.2</a> , <a href="#">NP_056258.1</a>

RefSeq Size: 4987 bp

RefSeq ORF: 3318 bp

Locus ID: 284058

UniProt ID: [Q7Z3B3](#)

Cytogenetics: 17q21.31

**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]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein (isoform 1).