

## Product datasheet for **RC236846**

### NSL1 (NM\_001297736) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NSL1 (NM\_001297736) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** NSL1  
**Synonyms:** C1orf48; DC8; MIS14  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC236846 representing NM\_001297736  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGGGTCTCCTGAGTTGGTGGTCCTTGACCCTCCATGGGACAAGGAGCTCGCGGCTGGCACAGAGA  
GCCAGGCCTTGGTCTCCGCCACTCCCCGAGAAGACTTTCGGGTGCGCTGCACCTCGAAGCGGGCTGTGAC  
CGAAATGCTACAACGTGCGGCCGCTTCGTGCAAAGCTCGGGGACGCTCTGCCGGAGGAGATTCGGGAG  
CCCGCTCTGCGAGATGCGCAGTGGACTTTTGAATCAGCTGTGCAAGAGAAATATCAGCATTAAATGGGCAAG  
CATGGCAGGAAGCTTCAGATAATTGTTTTATGGATTCTGACATCAAAGTACTTGAAGATCAGTTTGATGA  
AATCATAGTAGATATAGCCACAAAACGTAAGCAGTATCCCAGAAAAGATCCTGGAATGTGTCATCAAACC  
ATAAAAGCAAAACAAGAAATTCTGTCTTGCCTGCATTAATTGAACAAGGAGAGGGATTTCCCAAGTTC  
TCAGGATGCAGCCTGTTATCCACCTCCAGAGGATTCACCAAGAAGTCTTTCCAGTTGTCATAGGAAACC  
AGATGCTAAACCTGAGAAGCTTTATAACACAGATAGAAACCACCAACAGAGACTGCTTCCAGGAAAACC  
TCTGACATGGTACTGAAAAGAAAGCAAACTAAAGACTGCCCCAGAGAAAATGGTATCCATTGCGGCCAA  
AGAAAATTAATCTTGATACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC236846 representing NM\_001297736  
Red=Cloning site Green=Tags(s)

MAGSPELVVLDPPWDKELAAGTESQALVSATPREDFRVRCCTSKRAVTEMLQLCGRFVQKLGDALPEEIRE  
 PALRDAQWTFESAVQENISINGQAWQEASDNCFMDSDIKVLQEDQFDEIIVDIATKRKQYPRKILECVIKT  
 IKAKQEILSLPALIEQEGEFSQVLRMQPVIHLQRIHQEVFSSCHRKPKDAKPENFITQIETPTTETASRKT  
 SDMVLKRKQTKDCPQRKQWYPLRPKKINLDT

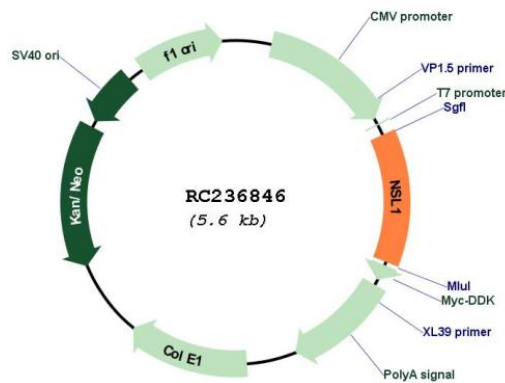
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001297736  
**ORF Size:** 720 bp

<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	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>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_001297736.2</a>
<b>RefSeq Size:</b>	13025 bp
<b>RefSeq ORF:</b>	723 bp
<b>Locus ID:</b>	25936
<b>Cytogenetics:</b>	1q32.3
<b>MW:</b>	27.9 kDa
<b>Gene Summary:</b>	This gene encodes a protein with two coiled-coil domains that localizes to kinetochores, which are chromosome-associated structures that attach to microtubules and mediate chromosome movements during cell division. The encoded protein is part of a conserved protein complex that includes two chromodomain-containing proteins and a component of the outer plate of the kinetochore. This protein complex is proposed to bridge centromeric heterochromatin with the outer kinetochore structure. Multiple transcript variants encoding different isoforms have been found for this gene. There is a pseudogene of the 3' UTR region of this gene on chromosome X. [provided by RefSeq, Jul 2014]