

## Product datasheet for **RG236307**

### NSL1 (NM\_001297739) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NSL1 (NM\_001297739) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** NSL1  
**Synonyms:** C1orf48; DC8; MIS14  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236307 representing NM\_001297739.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCGGGGTCTCCTGAGTTGGTGGTCCTTGACCCTCCATGGGACAAGGAGCTCGCGGCTGGCACAGAG
AGCCAGGCCTTGGTCTCCGCCACTCCCCGAGAAGACTTTCGGGTGCGCTGCACCTCGAAGCGGGCTGTG
ACCGAAATGCTACAACGTGCGGCCGCTTCGTGCAAAAGCTCGGGGACGCTCTGCCGGAGGAGATTCGG
GAGCCCGCTCTGCGAGATGCGCAGTGGACTTTTGAATCAGCTGTGCAAGAGAATATCAGCATTAAATGGG
CAAGCATGGCAGGAAGCTTCAGATAATTGTTTTATGGATTCTGACATCAAAGTACTTGAAGATCAGTTT
GATGAAATCATAGTAGATATAGCCACAAAACGTAAGCAGTATCCCAGAAAGATCCTGGAATGTGTCATC
AAAACCATAAAAAGCAAAAACAAGAAATTCTGAAGCAGTACCACCCTGTTGTACATCCACTGGACCTAAAA
TATGACCCGATCCAGGAGCCAAGCCTGGTGGACTAGCTCTAGGGGCAGTT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236307  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MAGSPELVVLDPPWDKELAAGTESQALVSATPREDFRVRCSTSKRAVTEMLQLCGRFVQKLGDALPEEIR
EPALRDAQWTFESAVQENISINGQAWQEASDNCFMDSDIKVLQDFDEIIVDIATKRKQYPRKILECVI
KTIKAKQEILKQYHPVVHPLDLKYDPPGAKPGGLALGAV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDHMHFSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

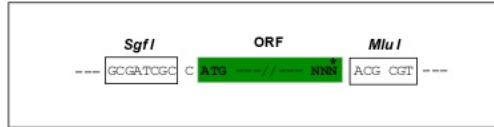
**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**

Cloning sites used for ORF Shutting:


**ACCN:** NM\_001297739

**ORF Size:** 534 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\\_001297739.2](#)
**RefSeq Size:** 1573 bp

**RefSeq ORF:** 537 bp

**Locus ID:** 25936

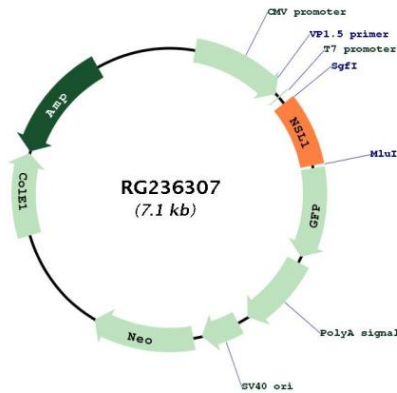
**Cytogenetics:** 1q32.3

**MW:** 20.3 kDa

**Gene Summary:**

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]

**Product images:**



Circular map for RG236307