

Product datasheet for **RG236260**

NSL1 (NM_001297737) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NSL1 (NM_001297737) 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:	>RG236260 representing NM_001297737. Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGCGGGGTCTCCTGAGTTGGTGGTCTTGACCCTCCATGGGACAAGGAGCTCGCGGCTGGCACAGAG
 AGCCAGGCCTTGGTCTCCGCACTCCCCGAGAAGACTTTCGGGTGCGCTGCACCTCGAAGCGGGCTGTG
 ACCGAAATGCTACAACGTGCGGCCGCTTCGTGCAAAAGCTCGGGGACGCTCTGCCGAGGAGATTCGG
 GAGCCCGCTCTGCGAGATGCGCAGTGGACTTTTGAATCAGCTGTGCAAGAGAATATCAGCATTAAATGGG
 CAAGCATGGCAGGAAGCTTCAGATAATTGTTTATGGATTCTGACATCAAAGTACTTGAAGATCAGTTT
 GATGAAATCATAGTAGATATAGCCACAAAACGTAAGCAGTATCCAGAAAGATCCTGGAATGTGTCATC
 AAAACCATAAAAGCAAAACAAGAAATTCTGAAGCAGTACCACCCTGTTGTACATCCACTGGACCTAAAA
 TATGACCCTGATCCAGTCCTTGCCTGCATTAAAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC

Protein Sequence:	>Peptide sequence encoded by RG236260 Blue=ORF Red=Cloning site Green=Tag(s)
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MAGSPELVVLDPPWDKELAAGTESQALVSATPREDFRVRCTSKRAVTEMLQLCGRFVQKLGDALPEEIR
 EPALRDAQWTFESAVQENISINGAWQEASDNCFMDSIDKVLQDFDEIIVDIATKRKQYPRKILECVI
 KTIKAKQEILKQYHPVVHPLDLKYDPDPVLACIN
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDHMFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites:	SgfI-MluI
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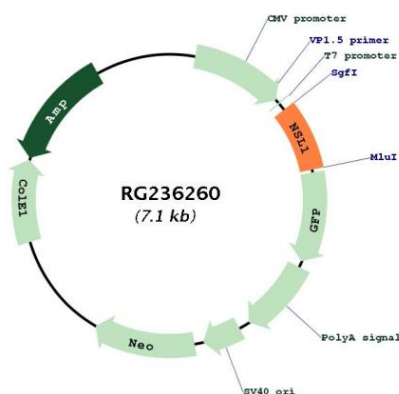
Cloning Scheme:



ACCN:	NM_001297737
ORF Size:	524 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).
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001297737.2
RefSeq Size:	13080 bp
RefSeq ORF:	519 bp
Locus ID:	25936
Cytogenetics:	1q32.3
MW:	20 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 RG236260