

Product datasheet for **RC215387**

NVL (NM_002533) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NVL (NM_002533) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NVL
Synonyms:	NVL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC215387 representing NM_002533
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

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Protein Sequence: >RC215387 representing NM_002533
 Red=Cloning site Green=Tags(s)

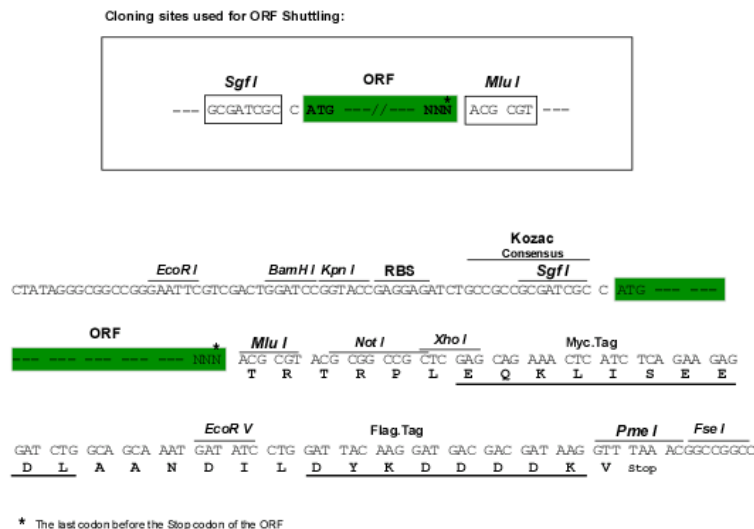
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Chromatograms: https://cdn.origene.com/chromatograms/mk6838_b10.zip

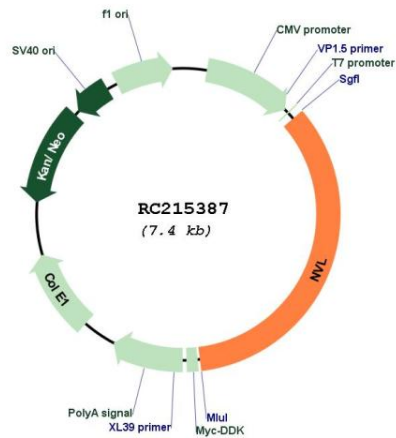
Restriction Sites: SgfI-MluI

Cloning Scheme:

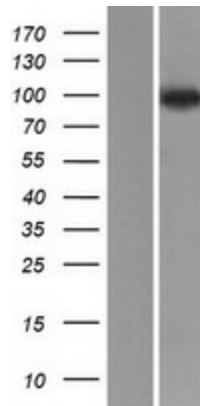


ACCN:	NM_002533
ORF Size:	2568 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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_002533.4
RefSeq Size:	2921 bp
RefSeq ORF:	2571 bp
Locus ID:	4931
UniProt ID:	O15381
Cytogenetics:	1q42.11
Domains:	AAA, AAA
MW:	94.9 kDa
Gene Summary:	This gene encodes a member of the AAA (ATPases associated with diverse cellular activities) superfamily. Multiple transcript variants encoding different isoforms have been found for this gene. Two encoded proteins, described as major and minor isoforms, have been localized to distinct regions of the nucleus. The largest encoded protein (major isoform) has been localized to the nucleolus and shown to participate in ribosome biosynthesis (PMID: 15469983, 16782053), while the minor isoform has been localized to the nucleoplasm. [provided by RefSeq, Aug 2011]

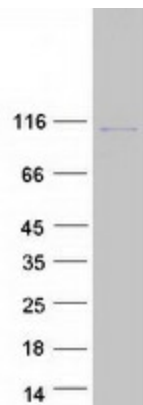
Product images:



Circular map for RC215387



Western blot validation of overexpression lysate (Cat# [LY419267]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215387 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NVL protein (Cat# [TP315387]). The protein was produced from HEK293T cells transfected with NVL cDNA clone (Cat# RC215387) using MegaTran 2.0 (Cat# [TT210002]).