

## Product datasheet for **RR204266**

### **Nolc1 (NM\_022869) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nolc1 (NM_022869) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nolc1
Synonyms:	Nopp140
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR204266 representing NM\_022869  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGATACCGCTTTCGCCCGTGGTTCACGCGACCTTTATCCCCTTGCTCGGCTTTCTGCGAG  
 ATAACCAGCTCTCAGAGGTGGCCAGTAAATTTGCAAAAAGCGACAGGCGCTACACAGCAGGACGCCAATGC  
 CTCTTCCCTCTTGACATTTATAGCTTTTGCTCAAGTCCACAAAGCCCGAAGGTGAAACTGCAGTCA  
 AATGGACCAAGTGGCCAAAAGGCTAAGAAAAGACTTCATCCAGTGACAGCAGTGAGGACAGCAGTGAGG  
 AAGAGGACAAAGCCCAAGTTCCACACAGAAGGCTGCCGCCCTGCCAAGCGAGCCAGTTTGCTCAGCA  
 TGCTGGGAAAGCAGCAGCCAAAGCTTCAGAGAGCAGCAGTAGTGAAGAGTCCAGTGAGGAAGAGGAGGAG  
 AAGGACAAAAGAAAAGCCTGTCCAGCAGAAAGCAGTTAAGCCCAAGCCAAGGCAGTCAGACCTCCTC  
 CGAAGAAGGCAGAGACTCTGAGTCCGAGTCTGACTCAAGCTCAGAGGATGAAGCACCACAGACCCAGAA  
 GCCAAAGGCAGCTGCTACGGCAGCTAAAGCCCCGACTAAAGCCCAGACTAAAGCCCAGCCAAACCAGGT  
 CCACCAGCGAAAAGCAGCCTAAAGCAGCCAATGGCAAAGCAGGCAGCAGCAGCAGCAGTGCAGCAGCA  
 GTAGCAGTGATGACTCAGAGGAAGAGAAGAAGGCAGCTGCACCTCTCAAGAAGACTGCACCTAAAAAGCA  
 AGTCGTGGCCAAGGCACCAAGTAAAGTAACTGCTGCCCCACCCAAAAGATTCTAGCAGTGAGGACTCT  
 TCCAGTGAAGAGGAAGAGGAACAGAAAAACCCATGAAGAAAAAGCAGGTCCCTACAGTTCAGTTCCAC  
 CACCTTCTGTTTCTTTATCCAAAAGTCCGTGGGAGCCAGTCTCCAAGAAAAGCGGCCGCGCAACACA  
 GCCTGCAGACAGCAGTGACAGACAGCAGCGAGGAGTCTGATTCAAGTTCTGAGGAAGAGAAGAAAACCTCA  
 GCTAAGACAGTCGTCTCCAAGACACCCGCCAAACCAGCTCCAGTGAAGAAAAAGGCCGAGAGCTCTTCAG  
 ACAGCTCAGATTCTGACAGTTCTGAGGATGAAGCTCCTGCCAAGCCAGTCAGTGCCACCAAGAGTCCCTT  
 AAGCAAGCCAGCTGTACTCCTAAGCCCGCTGCTGCAAAGGCAGTGGCAACTCCTAAGCAGCCTGCGGGC  
 AGTGGCCAGAAAACCTCAGAGCAGAAAGGCTGACAGCAGCTCCAGCGAGGAGGAGAGCAGCTCCAGTGAGG  
 AAGAGGCCACCAAGAAAAGTGTGACAACCCCTAAGGCCAGGGTGACCGCCAAAGCAGCACCTCTCTACC  
 TGCCAAACAGGCTCCTCGGGTGGTGGAGACAGCAGCTCCGACTCAGAGAGTTCCAGCAGTGAGGAGGAG  
 AAGAAGACGCGCCTAAACCCCGCTAAGAAGAAGGCAGCAGGTGCAGCCGTTCCCAAACCCACCCCTG  
 TGAAGAAAGCAGCAGCCGAGAGCAGCAGCAGCAGCTCCTCCGAAGATTCCAGTGAAGAAGAGAAAAA  
 GAAGCCCAAGAGCAAAGTACTCCCAAACACAGGCAGGAAAGGCCAATGGCGTTCAGCTTCTCAGAAC  
 GAAAAGCAGGCAAGGAAAGTGAAGGAGGAAGGAAAGACACAGAACAGAACAAAAGGCAGCCGGGACCA  
 AGCCAGGTTCAGGCAAGAACGGAAGCACAATGAGACAGCAGATGAAGCAGCAACTCCTCAATCTAAGAA  
 AGTTAAGCTGCAGACCCCTAATACGTTTCCAAAAGGAAGAAGGGAGAGAAAAGGCATCTTCCCCTTTC  
 CGAAGGGTCAGGGAGGAGGAGATTGAGGTGGACTCTCGAGTAGCAGACAATTCCTTCGATGCCAAGCGAG  
 GTGCAGCTGGAGACTGGGGTGAAGCAGCAATCAGGTTCTGAAGTTCACCAAAGGAAAGTCTTCCGGCA  
 CGAAAAACAAGAAGAAGCAGGCAGCTACCGGGGAGGCTCCATCTCTGTCCAGGTCAATTCCGTCAAG  
 TTTGACAGCGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR204266 representing NM\_022869  
 Red=Cloning site Green=Tags(s)

MADTGLRRVPSDL YPLVLGFLRDNQLSEVASKFAKATGATQQDANASSLLDIYSFWLKSTKAPKVKLQS  
 NGPVAKKAKKETSSSDSSEDSSEEDKAQVPTQKAAAPAKRASLPQHAGKAAAKASESSSSEESSEEEEE  
 KDKKKKPVQKAVKPQAKAVRPPPKKAESSESESDSSSEDEAPQTQKPKAAATAAKAPTKAQTKAPAKPG  
 PPAKAQPKAANGKAGSSSSSSSSSSDDSEEEKKAAAPLKKTAPKKQVVAKAPVKVTAAPTQKSSSSEDS  
 SSEEEEEQKKPMKKKAGPYSSVPPPSVLSKKSVAQSPKAAAQTQPADSSADSSEESDSSSEEEKKTP  
 AKTVVSKTPAKPAPVKKKAESSDSSDSSSEDEAPAKPVSATKSPLSKPAVTPKPPAAKAVATPKQPAG  
 SGQKQPQRKADSSSSEEESSSSEEEATKKSVTTPKARVTAKAAPSLPAKQAPRAGDSSSDSESSSSEEE  
 KKTPPKPPAKKKAAGAAVPKPTPVKAAAESSSSSSSEDSSEEEKKPKSKATPKPQAGKANGVPSQN  
 GKAGKESSEEEEDTEQNKKAAGTKPGSGKKRKHNETADEAATPQSKVKLQTPNTFPKRKKGEKRASSPF  
 RRVREEEIEVDSRVADNSFDAKRAAGDWGERANQVLKFTGKKSFRHEKTKKKRGSYRGGISVQVNSVK  
 FDSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_022869

**ORF Size:** 2112 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.

**RefSeq:** [NM\\_022869.1](#), [NP\\_074060.1](#)

**RefSeq Size:** 3609 bp

**RefSeq ORF:** 2115 bp

**Locus ID:** 64896

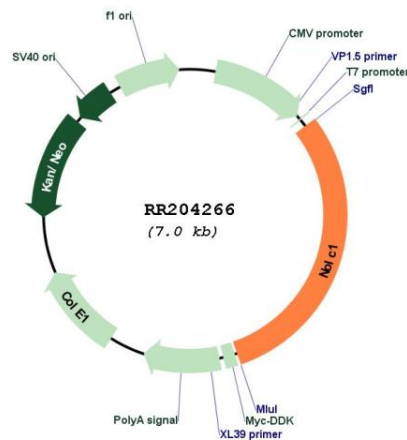
**UniProt ID:** [P41777](#)

**Cytogenetics:** 1q54

**MW:** 73.6 kDa

**Gene Summary:** nucleolar phosphoprotein that may function as a chaperone for import into and/or export from the nucleolus [RGD, Feb 2006]

### Product images:



Circular map for RR204266