

Product datasheet for **RR204641**

Nbl1 (NM_031609) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nbl1 (NM_031609) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nbl1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204641 representing NM_031609
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGCTTTGGGTCCTGGTGGGACTGTTCTCCCTGTCATGTTGCTGGCTGCCCCACCACCCATCAACAAGC
 TGGCCCTGTTCCGGACAAGAGTGCCTGGTGCGAAGCCAAGAACATCACGCAGATTGTGGCCACAGCGG
 CTGTGAGGCCAAGTCTATCCAGAACAGGGCGTGCCTAGGACAATGCTTCAGTTACAGCGTCCCCAACACC
 TTCCCGCAGTCCACAGAGTCCCTGGTGCCTGTGACTCCTGCATGCCGGCCAGTCCATGTGGGAGATTG
 TGACCTTGGAGTGCCCCGGCCACGAGGAGTGCCAGGGTGGACAAGCTGGTTGAGAAGATTGTACTGT
 CAGCTGCCAAGCCTGCGCAAGGAACCCAGTCATGAGGGCCTGAACGTCTACATGCAGGGTGAAGATGGG
 CCAGGCTCCCAGCCAGGATCGCACTCCCACTCCCATCCCCACCCTGGGTGCCAGACCCCTGAACCTGAAG
 AACCTCTGGAGCCCCTCAAGTTGAGGAAGAGGGGGCTGAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204641 representing NM_031609
Red=Cloning site Green=Tags(s)

MLWVLVGTLPVMLLAAPPPINKLALFPDKSAWCEAKNITQIVGHSGCEAKSIQNRACLQCFYSYVPNT
 FPQSTESLVHCDSCMPAQSMWEIVTLECPGHVEVPRVDKLVKIVHCSCQACGKEPSHEGLNVYMQGEDG
 PGSQPGSHSHPHPGCQTPEPEPPGAPQVEEEGAED

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

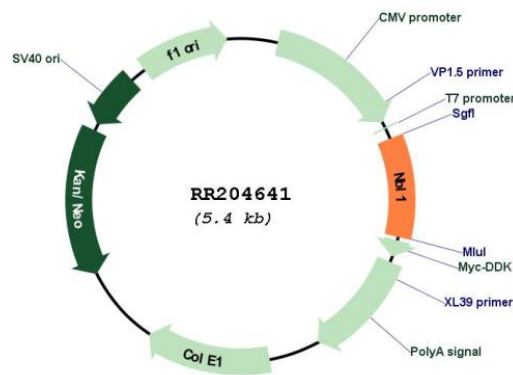


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Cloning Scheme:



Plasmid Map:



ACCN: NM_031609

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).
Reconstitution Method:	<ol style="list-style-type: none">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:	<u>NM_031609.1</u> , <u>NP_113797.1</u>
RefSeq Size:	1788 bp
RefSeq ORF:	537 bp
Locus ID:	50594
UniProt ID:	<u>Q06880</u>
Cytogenetics:	5q36
MW:	19.2 kDa
Gene Summary:	may be a tumor suppressor; found downregulated in transformed cells [RGD, Feb 2006]