

Product datasheet for **RR206891**

Nup107 (NM_053830) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup107 (NM_053830) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nup107
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR206891 representing NM_053830
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGACAGGAGTGGCTTCGGGGGAATGTCATCCCCTGTGATCCGAGACCCAGAGTTACGAGGACTGCAC
 GGAAGCATAGTGCTCACAAAAGAGTTTTAATTCAGGCCAACCAAGATGAAAATTTTGGTACTACTACACC
 AAGAAGCCAGATTATTCCTCGAACTCCAAGCTCATTTTCGACAACCTTTTACTCCACCAAGCCGAAGTTTA
 CTAAGACACCCAGATATATCCTACATTTTTGGGACGGAAGGGAGGTCTCCCCGGCATATACAGTCTTCTG
 GGTATTTGGGAAATCTTCCATGGTGACTAACCTTGATGACAGCAACTGGGCAGCTGCATTCTCATCCCA
 GCGTTTAGGGTTTACACAAAACACGGAGCACCATAGTATGACTGAGGACATAAACCTAAGTACTGTCATG
 CTACGGGAGGATGACCCTGGAGAGGCTGCATCCATGAGTATGTTCTGTATTTCTGCAGTCTTTCTTGA
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 TAGAAGAGGAAAATATGTTTGCAATTGCTGGTATCAATGCCAGTGAGAAGACGGTTGTGGAGCGCTGTT
 TCAGAGGGACACGCTGGTCCGACAGAGCCAGTTGGTGGTAGATTGGCTAGAGAGCATTGCCAAAAGATGAA
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 GTTTTTGGAGGGTGTACGGAGTGTGAGCAGCGGCACCAGTGCCTGGAGCTGGCTAAGGAGGCAGATTTG
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 TACTGCACAGCACCAGGCAATACCAGGAGTGCCTGCAGCTGGCCGACATGGTGTCTCTGAGCGCCACAA
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ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATGAGTTTAA

Protein Sequence: >RR206891 representing NM_053830
 Red=Cloning site Green=Tags(s)

MDRSGFGGMSSPVIRDPEVTRTARKHSAHKRVL IQANQDENFGTTTPRSQIIPRTPSSFRQPFTPPSRSL
 LRHPDISYIFGTEGRSPRHIQSSGYLGNLSMVTNLDDSNWAAAFSSQRLGFYNTTEHHSMTEDINLSTVM
 LREDDPGEAASMSMFSDFLQSF LKHSSTVFDLVEEYENICASQVNILSKIVSRATPGLQKFSKTASMLW
 LLQQEMVTWRLLASLYDRIQSSLEENMFIAIGINASEKTVVEALFQRDTLVRQSQLVVDWLESIAKDE
 IGDFSDNIEFYAKSVYWENTLHSLKQRQLLSYIGSTRPLVTELDPDAPIRQKMP LDDLDREDEVRLKYL
 FTLIRAGMTEEAQRLCKRCGQAWRAATLEGWKLHHPNVNGGTELEPVEGNPYRRIWKISCRMAEDEL
 NKYERIA YAALSGNLKQLLPVCDTWEDTVWAYFRVMVDSLVEQEIRTSVMTLDETEELPREYMEANWTL
 KVFEELQATDKKRVLEENQEYHVYVQKFLILGDIDGLMDEF SKWLSKSRSSLPGHLLRFMTHLILFFRTL
 GLQTKKEEVSI EVLKTYIQLLINEKHTNLIAFYTCHLPQDLAVAQYALFLEGVTECEQRHQCLELAKEADL
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 ALKKHEAAKEVFKIPQDSIAE IYNQWEEQGMESPLPAEDDNAIREHLCIRAYLEAHETFNEFWFKHMNSA
 PQKPTLLSQATFTEKVAHEHKEKKYEMDHN IWKGHLDAL TADVKEKMYNVLLFVDGGWMDVVDREAEEDP
 ERAHQMVLLRKLCLPMLCFL LHTILHSTGQYQECLQLADMVSSERHKL YLVFSKEELRKL LQKLRESSLM
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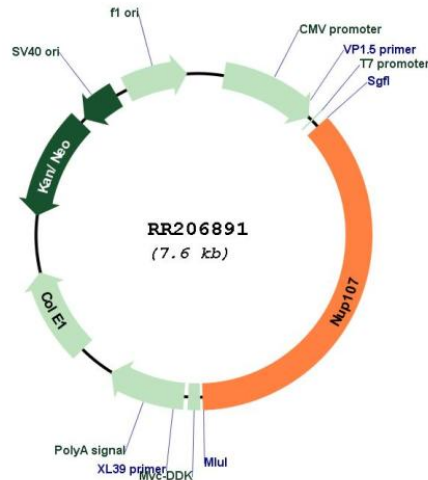
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_053830

ORF Size: 2775 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_053830.2](#), [NP_446282.2](#)

RefSeq Size: 3101 bp

RefSeq ORF: 2778 bp

Locus ID: 116555

Cytogenetics: 7q22

MW: 106.9 kDa

Gene Summary: nuclear pore complex protein [RGD, Feb 2006]