

## Product datasheet for **RR203598**

### **Rpn2 (NM\_031698) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rpn2 (NM_031698) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rpn2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>RR203598 representing NM\_031698  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCGCCGCGGGTTCAAGTGCTGTCTTCTGTGGCCCTGACAATCACAGCCAGCACCAGGCTCTGA  
CCCCACCCACTACCTCACCAAGCATGATGTGGAAGACTGAAAGCCTCACTGGATCGCCCTTTCACGAG  
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TCCAGCTCATGAACACAATCTTCAGCAAGAAGAACTTTGAGTCCCTCTCAGAAGCCTTCAAGTGTGGCCTC  
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CCCCACTGTGGTGTCCAATACATTACAGCCCTCATCCTCTCGCCCTTGCTCTGCTCTTTGCACTGTGG  
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CAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR203598 representing NM\_031698  
 Red=Cloning site Green=Tags(s)

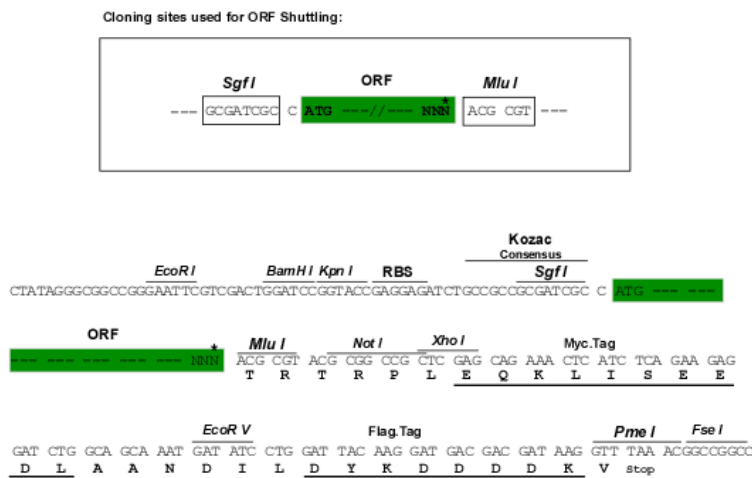
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 SHEALGALTARLSKEETVLATVQALHTASHLSQQADLRNIVVEIEDLVARLDELGGVYLQFEEGLELTAL  
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 VDVTGAE LTPHQTFVRLHNQKTGQEVVFAEPDNKNVHKFELDTSERKIEFDSASGTYTLYLIIGDATL  
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 H

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

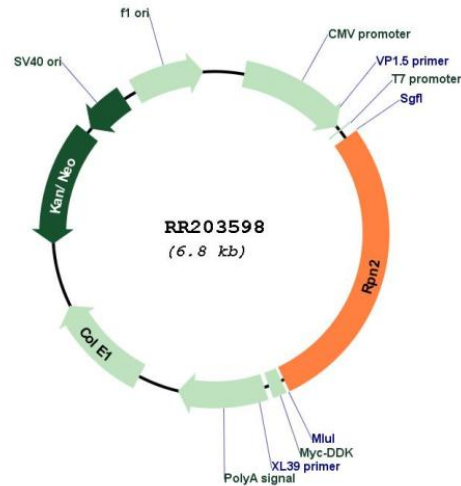
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



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

**Plasmid Map:**


**ACCN:** NM\_031698

**ORF Size:** 1893 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\\_031698.1](#), [NP\\_113886.1](#)  
RefSeq Size: 2234 bp  
RefSeq ORF: 1896 bp  
Locus ID: 64701  
UniProt ID: [P25235](#)  
Cytogenetics: 3q42  
MW: 69.1 kDa  
Gene Summary: may play a role in protein N-linked glycosylation [RGD, Feb 2006]