

## Product datasheet for **RR214363**

### Rnase1 (NM\_001029904) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rnase1 (NM\_001029904) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rnase1  
**Synonyms:** Rib1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR214363 representing NM\_001029904  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGATATGGAGAAGTACCTCTTTCCGTTTTCACTGCTTATATTGGTGCTTGGATGGGTCCATCTTTACC  
TGGGTGGGAATCTAGGGAATCATCGGCGGATAAGTTTAAAGAGGCAGCACATGGACACAGAGGGTCCCTC  
CAAGAGCAGCCCCACCTACTGTAACCAGATGATGAAGCGCCAGGGGATGACCAAGGGGTCATGCAAGCCA  
GTGAACACCTTCGTGCATGAACCTTGGAGGATGTCCAGGCCATCTGCTCCCAGGACAAGTGACCTGCA  
AGAATGGGAGGAACAACCTGCCACAAGAGCAGCTCCACCCTGCGCATCACTGACTGCCGCCTGAAGGGCAG  
CTCCAAGTATCCAATTGCGACTACACAACCACTGACAGCCAGAAGCACATCATATTGCTTGTGACGGG  
AACCCCTACGTCCAGTCCACTTCGATGCTTCCGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR214363 representing NM\_001029904  
Red=Cloning site Green=Tags(s)  
MDMEKYLFPFLLILVLGWVHLVYLGESRESSADKFKRQHMDTEGPSKSSPTYCNQMMKRQGMTKGSCPK  
VNTFVHEPLEDVQAICSQGQVTKNGRNNCHKSSSTLRITDCRLKGSSKYPNCDYTTTDSQKHIIACDG  
NPYVPVHFDAVS

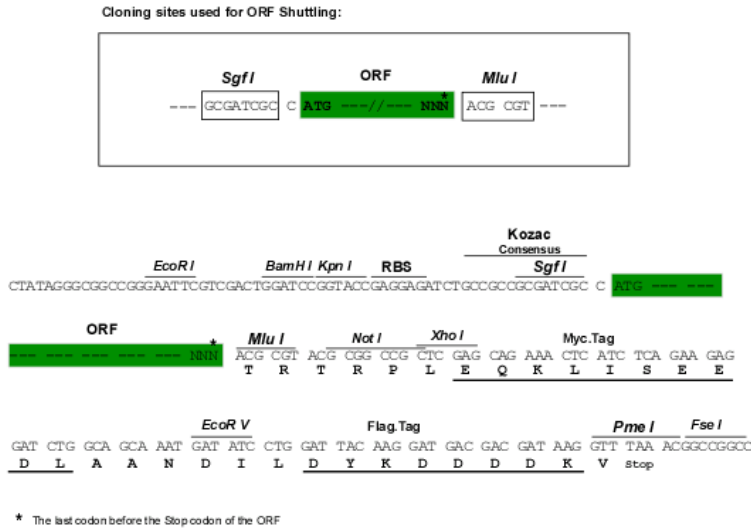
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

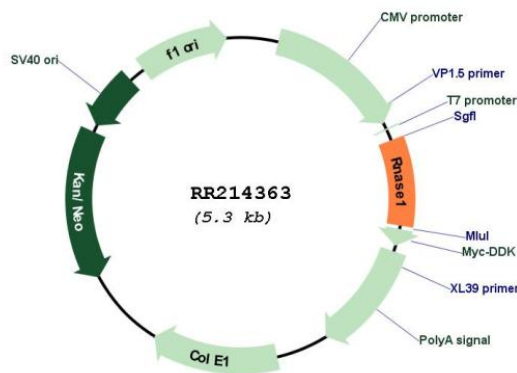


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001029904

ORF Size: 456 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.

|                               |   |
|-------------------------------|---|
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u>NM_001029904.1, NP_001025075.1</u>   |
| <b>RefSeq Size:</b>           | 788 bp  |
| <b>RefSeq ORF:</b>            | 459 bp  |
| <b>Locus ID:</b>              | 364304  |
| <b>MW:</b>                    | 17.1 kDa  |
| <b>Gene Summary:</b>          | catalyzes the hydrolysis of RNA phosphodiester bonds [RGD, Feb 2006]  |