

## Product datasheet for **RR216783**

### **Rnh1 (NM\_001270762) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rnh1 (NM_001270762) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnh1
Synonyms:	Rnh
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR216783 representing NM\_001270762  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTTTTGGGGCTCCCGTCTGCCTTTGAGAGTCTTTTTCGGGTCCCTTCCTGGCCTTCTTAATACGTGGC  
 AGAGCGTCTGGACCAGAAGACTACACTGTGCACCCACCATGAGTCTTGACATCCAGTGTGAGCAGCTGAG  
 TGATGCCCGGTGGACAGAGCTCCTTCCCCTGATCCAACAATACCAAGTGGTCAGGCTGGATGACTGTGGC  
 CTCACTGAAGTGCAGTCAAAGACATCAGGTGAGCGATCCAGGCCAACCTGCCCTGACAGAGCTCAGCC  
 TACGCACCAATGAACTGGGTGATGCTGGTGTGGGTCTGGTCTCCAGGGCCTGCAGAATCCCACTTGTA  
 GATCCAGAAGCTGAGCCTCAGAAGTGCAGCTTGACGGAAGCTGGCTGTGGGGTCTGCCTGATGTGCTG  
 CGCTCTTGTCTACCCTGCGTGAACATCTCAATGACAACCTCTGGGGATGAAGGCCTGAAGCTGC  
 TCTGTGAAGGACTCCGGGACCCAGTCCGCTTGTGAGAAGCTTCAAGTGAATACTGTAACCTCACAGC  
 TACCAGCTGCGAGCCCTGGCCTCAGTGTCCAGGTGAAACCTGACTTTAAAGAGCTAGTATTGAGCAAC  
 AATGACTTCCATGAGGCTGGTATCCACACTCTGTGCCAGGGCCTGAAGGATTCGCTGTCAACTGGAGT  
 CACTCAAAGTGGAGAAGTGGTATCACATCAGCCAAGTCAAGGATCTGTGTGATGTTGTGGCCTCCAA  
 AGCCTCACTGCAAGAAGTGGACTTGGCAGCAACAAGTGGCAACACAGGCATTGCAGCACTGTGCTCA  
 GGACTGTGCTTCCCAGCTGCAGGCTGAGGACTCTGTGGCTCTGGGACTGTGATGCTCACTGCAGAAGGCT  
 GCAAGGACCTGTGCCGTGCTCAGAGCCAAGCAGAGCCTGAAGGAACTCAGCCTAGCTGGCAATGAGCT  
 GAAGGATGAGGGTGCCTCACTGTGTGAGAGCCTGTAGAGCCTGGCTGTGAGTGGAGTCACTGTGG  
 GTAAGACTGTAGCCTCACAGTGCCTTGTCCCACTTCTGCTCGGTGTTGACCAAAAATCGTCTC  
 TGTGAGCTGCAAAATGAGCAGCAACCCGCTGGGAGACTCGGGAGTCTGGAGCTTGTGCAAGGCCCTGGG  
 CTATCCGGACACAGTGTGCGTGTGCTTGGCTGGGAGACTGTGATGTGACAGACAGTGGCTGCAGCAGC  
 CTTGCCACTGTCTGCTGGCCAACCGCAGCTTGGGGAAGTGGACCTCAGTAACAAGTGCATGGGGGACA  
 CCGGTGTCTACAAGTGTGGAGAGCCTCAAACAGCCAGCTGCGCCCTCAGCAGCTTGTCTGTATGA  
 CATTACTGGACGGATGAGGTGGAAGACCAGCTTCGGGCCCTGGAGGAGGAAAGGCCATCCCTGAGGATC  
 ATTTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR216783 representing NM\_001270762  
 Red=Cloning site Green=Tags(s)

MFWGSRLPLRVFFGSLPGLLNTWQSVWTRRLHCAPTMSLDIQCEQLSDARWTELLPLIQYQVVRLLDDCG  
 LTEVRCKDIRSAIQANPALTELSLRTNELGDAGVGLVLQGLQNPTCKIQKLSLQNCSTLAEAGCVLPDVL  
 RSLSTLRELHLNDNPLGDEGLKLLCEGLRDPQCRLEKLQLEYCNLTATSCPELASVLRVKPDFKELVLSN  
 NDFHEAGIHTLCQGLKDSACQLESKLENCGITSANCKDLCDVVASKASLQELDLGSNKLGNLGTIAALCS  
 GLLLPSRLRTLWLWDCDVTAEGCKDLCRVLRKQSLKELSLAGNELKDEGAQLLCESLLEPGCQLESLSW  
 VKTCSLTAASCPHFCSVLTKNRSLFELQMSNPLGDSGVVELCKALGYPDTVLRVWLWGDVTDVSGCSS  
 LATVLLANRSLRELDLNNCMGDTGVLQLESKQPSCALQQLVLYDIYWTDEVEDQLRALEEERPSLRIS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

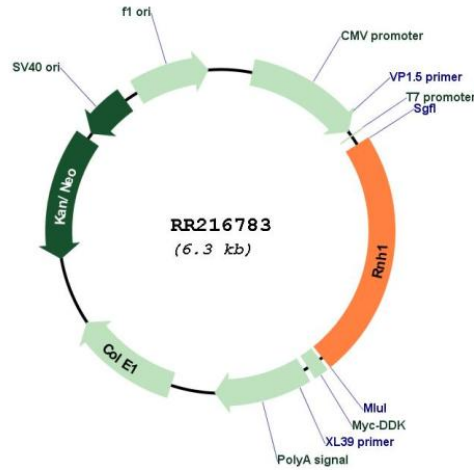
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



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

**Plasmid Map:**


**ACCN:** NM\_001270762

**ORF Size:** 1476 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\\_001270762.1](#), [NP\\_001257691.1](#)

**RefSeq Size:** 1673 bp

**RefSeq ORF:** 1479 bp

**Locus ID:** 100360501

**UniProt ID:** [P29315](#)

**Cytogenetics:** 1q41

**MW:** 54.1 kDa

**Gene Summary:** ribonuclease inhibitor [RGD, Feb 2006]