

Product datasheet for **RN216708**

Rnh1 (NM_001270763) Rat Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Rnh1 (NM_001270763) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Rnh1 |
| Synonyms: | Rnh |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >RN216708 representing NM_001270763
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTCTTGACATCCAGTGTGAGCAGCTGAGTGTGCCCGTGGACAGAGCTCCTTCCCCTGATCCAAC
 AATACCAAGTGGTCAGGCTGGATGACTGTGGCCTCACTGAAGTGGGTGCAAAGACATCAGGTCAGCGAT
 CCAGGCCAACCTGCCCCTGACAGAGCTCAGCCTACGCACCAATGAACTGGGTGATGCTGGTGTGGGTCTG
 GTGCTCCAGGGCCTGCAGAATCCCACTTGAAGATCCAGAAGCTGAGCCTTCAAGACTGCAGCTTACGCG
 AAGCTGGCTGTGGGTCTGCCTGATGTGCTGCGCTCTTGTCTACCCTGCGTGAACCTACATCTCAATGA
 CAACCCTCTGGGGATGAAGGCCTGAAGCTGCTGTGAAGGACTCCGGGACCCCACTGCCGTCTTGAG
 AAGCTTCAGTTGGAATACTGTAACCTCACAGCTACCAGCTGCGAGCCCTGGCCTCAGTGTCTCAGGGTGA
 AACCTGACTTTAAAGAGCTAGTATTGAGCAACAATGACTTCCATGAGGCTGGTATCCACACTCTGTGCCA
 GGGCCTGAAGGATTCTGCCTGTCAACTGGAGTCACTCAAAGCTGGAAGTGTGGTATCACATCAGCCAAC
 TGAAGGATCTGTGTGATGTTGTGGCCTCAAAGCCTCACTGCAAGAAGTGGACTTGGGCAGCAACAAGC
 TGGGCAACACAGGCATTGCAGCACTGTGCTCAGGACTGTGCTTCCCAGCTGCAGGCTGAGGACTCTGTG
 GCTCTGGGACTGTGATGTCACTGCAAGAAGGCTGCAAGGACCTGTGCCGTGTCTCAGAGCCAAGCAGAGC
 CTGAAGGAACTCAGCCTAGCTGGCAATGAGCTGAAGGATGAGGGTGCCTCAACTGTGTGTGAGAGCCTGT
 TAGAGCCTGGCTGTGAGTGGAGTCACTGTGGGTAAGACCTGTAGCCTCACAGCTGCCTCTTGTCCCA
 CTTCTGCTCGGTGTTGACCAAAAATCGTTCTCTGTTTGTGCTGCAAAATGAGCAGCAACCCGCTGGGAGC
 TCGGGAGTCGTGGAGCTTTCGAAGGCCCTGGGCTATCCGGACACAGTGTGCGTGTGCTTGGCTGGGAG
 ACTGTGATGTGACAGACAGTGGCTGCAGCAGCCTTCCACTGTCTGCTGGCCAACCGCAGCTTGGGGA
 ACTGGACCTCAGTAACAAGTGCATGGGGGACACCGGTGTCTACAAGTGTGGAGAGCCTCAAACAGCCC
 AGCTGCGCCCTTCAAGCAGCTTGTCTGTATGACATTTACTGGACGGATGAGGTGGAAGACCAGCTTCGGG
 CCCTGGAGGAGGAAAGGCCATCCCTGAGGATCATTTC**TGA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001270763
- Insert Size:** 1371 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001270763.1](#), [NP_001257692.1](#)

RefSeq Size: 1679 bp

RefSeq ORF: 1371 bp

Locus ID: 100360501

UniProt ID: [P29315](#)

Cytogenetics: 1q41

Gene Summary: ribonuclease inhibitor [RGD, Feb 2006]

Transcript Variant: This variant (3) has an alternate exon in place of the first exon compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a. Variants 2 and 3 both encode the same isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.