

Product datasheet for **RR215630**

Rnh1 (NM_139105) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnh1 (NM_139105) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnh1
Synonyms:	Rnh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR215630 representing NM_139105
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTCTTGACATCCAGTGTGAGCAGCTGAGTGTGCCCGTGGACAGAGCTCCTTCCCCTGATCCAAC
 AATACCAAGTGGTCAGGCTGGATGACTGTGGCCTCACTGAAGTGGGTGCAAAGACATCAGGTCAGCGAT
 CCAGGCCAACCTGCCCTGACAGAGCTCAGCCTACGCACCAATGAACTGGGTGATGCTGGTGTGGGTCTG
 GTGCTCCAGGGCCTGCAGAATCCCACTTGAAGATCCAGAAGCTGAGCCTTCAAGACTGCAGCTTACGCG
 AAGCTGGCTGTGGGGTCTGCCTGATGTGCTGCGCTCTTGTCTACCCTGCGTGAACACATCTCAATGA
 CAACCCTCTGGGGGATGAAGGCCTGAAGCTGCTCTGTGAAGGACTCCGGGACCCCACTGCCGTCTTGAG
 AAGCTTCAGTTGGAATACTGTAACCTCACAGCTACCAGCTGCGAGCCCTGGCCTCAGTGTCTCAGGGTGA
 AACCTGACTTTAAAGAGCTAGTATTGAGCAACAATGACTTCCATGAGGCTGGTATCCACACTCTGTGCCA
 GGGCCTGAAGGATTCTGCCTGTCAACTGGAGTCACTCAAAGTGGAGAAGTGGTATCACATCAGCCAAC
 TGCAAGGATCTGTGTGATGTTGTGGCCTCAAAGCCTCACTGCAAGAAGTGGACTTGGGAGCAACAAGC
 TGGGCAACACAGGCATTGCAGCACTGTGCTCAGGACTGTGCTTCCCAGCTGCAGGCTGAGGACTCTGTG
 GCTCTGGGACTGTGATGCTCACTGCAAGAAGGCTGCAAGGACCTGTGCCGTGTCTCAGAGCCAAGCAGAGC
 CTGAAGGAACTCAGCCTAGCTGGCAATGAGCTGAAGGATGAGGGTGCCTCAACTGTGTGTGAGAGCCTGT
 TAGAGCCTGGCTGTGAGTGGAGTCACTGTGGGTAAGACCTGTAGCCTCACAGCTGCCTCTTGTCCCA
 CTTCTGCTCGGTGTTGACAAAAATCGTTCTCTGTTTGTGCTGCAAAATGAGCAGCAACCCGCTGGGAGAC
 TCGGGAGTCGTGGAGCTTTGCAAGGCCCTGGGCTATCCGGACACAGTGTGCGTGTGCTTGGCTGGGAG
 ACTGTGATGTGACAGACAGTGGCTGCAGCAGCCTTGCCTGTCTGCTGCAACCCGAGCTTGGAGGGA
 ACTGGACCTCAGTAACAACCTGCATGGGGACACCGGTGTCTACAACCTGCTGGAGAGCCTCAAACAGCCC
 AGCTGCGCCCTTCAAGCAGCTTGTCTGTATGACATTTACTGGACGGATGAGGTGGAAGACCAGCTTCGGG
 CCCTGGAGGAGGAAAGGCCATCCCTGAGGATCATTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215630 representing NM_139105
 Red=Cloning site Green=Tags(s)

MSLDIQCEQLSDARWTELLPLIQYQVVRLLDDCGLTEVRCKDIRSAIQANPALTELSLRTNELGDAGVGL
 VLQGLQNPTCKIQKLSLQNSL TEAGCGVLPDVLRLSLSTLRELHLNDNPLGDEGLKLLCEGLRDPQCRLE
 KLQLEYCNLTATSCEPLASVLRVKPDFKELVLSNDFHEAGIHTLCQGLKDSACQLESKLENCGITSAN
 CKDLCDVVASKASLQELDLGSNKLGNLGI AALCSGLLLPSCRLRTLWLWDCDVTAEGCKDLCRVLRKQS
 LKELSLAGNELKDEGAQLLCESLLEPGQLESLWVKTCSLTAASCPHFCSVLTKNRSFLQMQSSNPLGD
 SGVVELCKALGYPDVLRLVWLGDVDVDSGSSLATVLLANRSLRELDLSNNCMGDTGVLQLESKQP
 SCALQQLVLYDIYWTDEVEDQLRALEEERPSLRIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_139105

ORF Size: 1368 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_139105.3](#), [NP_620805.2](#)

RefSeq Size: 1688 bp

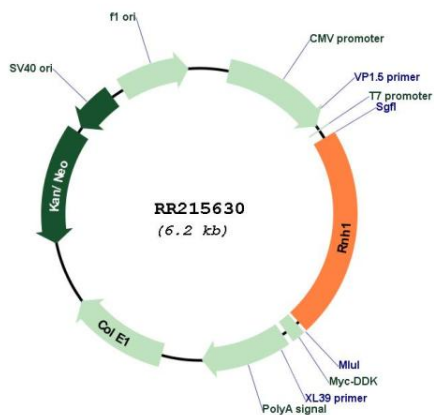
RefSeq ORF: 1371 bp

Locus ID: 100360501

UniProt ID: [P29315](#)

Cytogenetics: 1q41
 MW: 49.9 kDa
 Gene Summary: ribonuclease inhibitor [RGD, Feb 2006]

Product images:



Circular map for RR215630