

Product datasheet for **MR216811**

Rnh1 (NM_001172101) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnh1 (NM_001172101) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnh1
Synonyms:	AW546468; C80305; RNH
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR216811 representing NM_001172101
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTCTTGACATCCAGTGTGAGCAGCTGAGTGTGCCCGTGGACAGAGCTCCTTCTCTGATCCAGC
 AATACGAAGTGGTCAGGCTGGATGACTGTGGCCTCACTGAAGTGGGTGCAAAGACATCAGCTCAGCAGT
 CCAAGCCAACCCTGCCCTGACAGAGCTCAGCCTTCGCACCAATGAACTGGGTGATGGCGGTGTGGGTCTG
 GTGCTCCAGGGCCTGCAGAAATCCCACTTGAAGATCCAGAAGCTGAGCCTTCAGAACTGCGGCTTGACGG
 AGGCTGGCTGTGGGATCCTGCCTGGCATGCTGCGCTCTTGTCTACCCTGCGTGAGCTACATCTCAATGA
 TAACCCTATGGGGGACGCAGGCCTGAAGCTGCTGTGAAGGACTTCAGGACCCCACTGCGCTCTTGAG
 AAGCTTCAGTTGGAATACTGTAACCTCACAGCTACCAGCTGCGAGCCCTGGCTTCAGTGTCTCAGGGTGA
 AAGCTGACTTTAAGGAGTAGTATTGAGCAACAACGACCTCCATGAACCTGGTGTCCGATTCTGTGCCA
 GGGCCTGAAGGACTCTGCCTGTCAACTGGAGTCACTCAAGCTGGAGAAGTGGTATCACAGCAGCCAAC
 TGAAGGATCTGTGCGATGTTGTGGCCTCAAAGCTTCGCTACAGGAACTGGACTTGAGCAGCAACAAGC
 TAGGTAATGCAGGCATTGCAGCACTGTGCCAGGACTGTGCTTCCCAGCTGTAAGCTCAGGACTCTGTG
 GCTCTGGGAATGTGATATCACTGCAGAGGGCTGCAAGGACCTGTGCCGTGTCTCAGAGCCAAGCAGAGC
 CTGAAGGAACTCAGCCTTGCTTCCAATGAGCTGAAGGATGAGGGTGCCCGGCTGTGTGTGAGAGCCTAT
 TAGAGCCTGGCTGTGAGTGGAGTCACTGTGGATAAAGACCTGTAGCCTCACAGCTGCCTCCTGTCCCTA
 CTTCTGCTCCGTGTTGACAAAAGCCGTTCTCTGTTGGAGCTGCAATGAGCAGCAACCCACTGGGAGAC
 GAGGGAGTCCAGGAGCTTTGCAAGGCCCTGAGCCAGCCAGATACAGTGTGCGTGAGCTTTGGTTGGGAG
 ACTGTGATGTGACAAATAGTGGTTGCAGCAGCCTTGCCAATGCTCTGCTGGCCAACCCGAGCCTGAGGGA
 ACTGGACCTCAGTAACTGCACTGGGGGCCAGGTGTCTGCAACTGCTGGAGAGCCTCAAACAGCCC
 AGCTGCACCCCTCAGCAGCTCGTCTGTATGACATTTACTGGACAAATGAGGTGGAAGAAGCAGCTTCGGG
 CCCTGGAGGAGGAAAGCCCTTCCCTGAGGATCATTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216811 representing NM_001172101
 Red=Cloning site Green=Tags(s)

MSLDIQCEQLSDARWTELLPLIQYEVVRLDDCGLTEVRCKDISSAVQANPALTELSLRTNELGDGGVGL
 VLQGLQNPTCKIQKLSLQNCGLTEAGCGILPGMLRSLSTLRELHLNDNPMGDAGLKLCEGLQDPQCRLE
 KLQLEYCNLTATSCEPLASVLRVKADFKELVLSNNDLHEPGVRIQCGLKDSACQLESKLENCGITAAN
 CKDLCDVVASKASLQELDLSSNKLGNAGIAALCPGILLPSCKLRTLWLWECBITAEGCKDLCRVLRKQS
 LKELSLASNELKDEGARLLCESLLEPGCQLESLEWIKTCSLTAASCPYFCSVLTKSRSLLELQMSNPLGD
 EGVQELCKALSQPDVTLRELWLGDCDVTNSGCSLANVLLANRSLRELDLNNCMGGPGVLQLESKQKQ
 SCTLQQLVLYDIYWTNEVEEQLRALEEEERPSLRIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

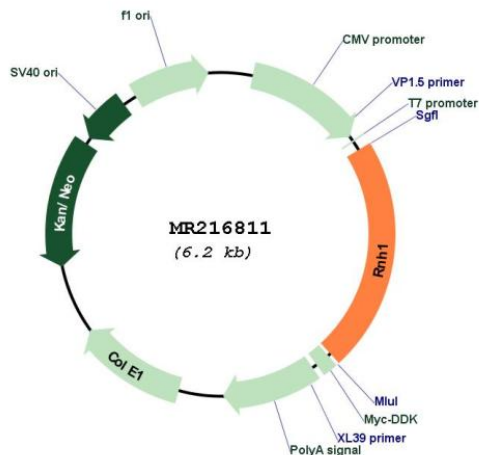
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001172101

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 Size: 1659 bp

RefSeq ORF: 1479 bp

Locus ID: 107702

UniProt ID: [Q91VI7](#)

Cytogenetics: 7 F5

MW: 54.4 kDa

Gene Summary: Ribonuclease inhibitor which inhibits RNASE1, RNASE2 and ANG. May play a role in redox homeostasis (By similarity).[UniProtKB/Swiss-Prot Function]