

Product datasheet for **MC216181**

Rnh1 (NM_001172100) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnh1 (NM_001172100) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnh1
Synonyms:	AW546468; C80305; RNH
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216181 representing NM_001172100
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTCTTGACATCCAGTGTGAGCAGCTGAGTGTGCCCGTGGACAGAGCTCCTTCTCTGATCCAGC
 AATACGAAGTGGTCAGGCTGGATGACTGTGGCCTCACTGAAGTGCGGTGCAAAGACATCAGCTCAGCAGT
 CCAAGCCAACCCTGCCCTGACAGAGCTCAGCCTTCGCACCAATGAACTGGGTGATGGCGGTGTGGGTCTG
 GTGCTCCAGGGCCTGCAGAATCCCACTTGAAGATCCAGAAGCTGAGCCTTCAGAACTGCGGCTTGACGG
 AGGCTGGCTGTGGGATCCTGCCTGGCATGCTGCGCTCTTGTCTACCCTGCGTGAGCTACATCTCAATGA
 TAACCCTATGGGGGACGCAGGCCTGAAGCTGCTGTGAAGGACTTCAGGACCCCAAGTCCGCTCTTGAG
 AAGCTTCAGTTGGAATACTGTAACCTCACAGCTACCAGCTGCGAGCCCTGGCTTCAGTGTCCAGGGTGA
 AAGCTGACTTTAAGGAGTAGTATTGAGCAACAACGACCTCCATGAACCTGGTGTCCGTATTCTGTGCCA
 GGGCCTGAAGGACTCTGCCTGTCAACTGGAGTCACTCAAGCTGGAGAAGTGGTATCACAGCAGCCAAC
 TGCAAGGATCTGTGCGATGTTGTGGCCTCAAAGCTTCGCTACAGGAACTGGACTTGAGCAGCAACAAGC
 TAGGTAATGCAGGCATTGCAGCACTGTGCCAGGACTGTGCTTCCCAGCTGTAAGCTCAGGACTCTGTG
 GCTCTGGGAATGTGATATCACTGCAGAGGGCTGCAAGGACCTGTGCCGTGTCTCAGAGCCAAGCAGAGC
 CTGAAGGAACTCAGCCTTGCTTCCAATGAGCTGAAGGATGAGGGTGCCCGGCTGTGTGTGAGAGCCTAT
 TAGAGCCTGGCTGTGAGTGGAGTCACTGTGGATAAAGACCTGTAGCCTCACAGCTGCCTCCTGTCCCTA
 CTTCTGCTCCGTGTTGACAAAAGCCGTTCTCTGTTGGAGCTGCAATGAGCAGCAACCCACTGGGAGAC
 GAGGGAGTCCAGGAGCTTTGCAAGGCCCTGAGCCAGCCAGATACAGTGTGCGTGAGCTTTGGTTGGGAG
 ACTGTGATGTGACAAATAGTGGTTGCAGCAGCCTTGCCAATGCTCCTGCTGGCCAACCCGAGCCTGAGGGA
 ACTGGACCTCAGTAACTGCAATGGGGGCCAGGTGTCTGCAACTGCTGGAGAGCCTCAAACAGCCC
 AGCTGCACCCCTCAGCAGCTCGTCTGTATGACATTTACTGGACAAATGAGGTGGAAGAAGCAGCTTCGGG
 CCCTGGAGGAGGAAAGCCCTTCCCTGAGGATCATTTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001172100

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).

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_001172100.1](#), [NP_001165571.1](#)

RefSeq Size: 1656 bp

RefSeq ORF: 1371 bp

Locus ID: 107702

UniProt ID: [Q91VI7](#)

Cytogenetics: 7 F5

Gene Summary: Ribonuclease inhibitor which inhibits RNASE1, RNASE2 and ANG. May play a role in redox homeostasis (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) represents use of an alternate promoter and 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same isoform (a), which is shorter than isoform b.