

Product datasheet for **MC216877**

Rnh1 (NM_001172101) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnh1 (NM_001172101) 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: >MC216877 representing NM_001172101
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTCCGGGGCGCCCGCTGCCTTTGAGAGTTTTTTTCGGTCCCTTCCTGGCCCTCTTAATACGTGGC
 AGAGCGGCTGGACCAGAAGACTGCACTGTGCACCACCATGAGTCTTGACATCCAGTGTGAGCAGCTGAG
 TGATGCCCGGTGGACAGAGCTCCTTCTCTGATCCAGCAATACGAAGTGGTCAGGCTGGATGACTGTGGC
 CTCACTGAAGTGCAGTCAAAGACATCAGCTCAGCAGTCCAAGCCAACCCTGCCCTGACAGAGCTCAGCC
 TTCGACCAATGAACTGGGTGATGGCGGTGTGGGTCTGGTCTCAGGGCCTGCAGAATCCCACTTGTA
 GATCCAGAAGCTGAGCCTCAGAAGTGCAGGCTTGACGGAGGCTGGCTGTGGGATCCTGCCTGGCATGCTG
 CGCTCTTTGTCTACCCTGCGTGAGCTACATCTCAATGATAACCCTATGGGGACGCAGGCCCTGAAGCTGC
 TCTGTGAAGGACTTCAGGACCCCAAGTCCGCTTTGAGAAGCTTCAGTTGAATACTGTAACCTCACAGC
 TACCAGCTGCGAGCCCTGGCTTCAGTGTCCAGGCTGAAAGCTGACTTTAAGGAGCTAGTATTGAGCAAC
 AACGACCTCCATGAACCTGGTGTCCGATTTCTGTGCCAGGGCCTGAAGGACTCTGCCTGTCAACTGGAGT
 CACTCAAGCTGGAGAAGTGTGGTATCACAGCAGCAACTGCAAGGATCTGTGCGATGTTGTGGCCTCCAA
 AGCTTCGCTACAGGAAGTGGACTTGAGCAGCAACAAGCTAGGTAATGCAGGCATTGCAGCACTGTGCCCA
 GGACTGCTGCTTCCAGCTGTAAGCTCAGGACTCTGTGGCTCTGGGAATGTGATATCACTGCAGAGGGCT
 GCAAGGACCTGTGCCGTGCTCCTCAGAGCCAAGCAGAGCCTGAAGGAAGTCAAGCCTTGCTTCCAATGAGCT
 GAAGGATGAGGGTGCAGGCTGTGTGAGAGCCTATTAGAGCCTGGCTGTGAGTGGAGTCACTGTGG
 ATAAAGACCTGTAGCCTCACAGCTGCCTCCTGTCCCTACTTCTGCTCCGTGTTGACAAAAGCCGTTCTC
 GTTGGAGCTGCAAATGAGCAGCAACCCACTGGGAGACGAGGAGTCCAGGAGCTTGAAGGCCCTGAG
 CCAGCCAGATACAGTGTGCGTGAGCTTTGGTTGGGAGACTGTGATGTGACAAATAGTGGTTGCAGCAGC
 CTTGCCAATGCTCTGCTGGCCAACCGCAGCCTGAGGGAAGTGGACCTCAGTAACAACTGCATGGGGGCC
 CAGGTGCTGCAACTGCTGGAGAGCCTCAAACAGCCAGCTGCACCCTCAGCAGCTCGTCTGTATGA
 CATTTACTGGACAAATGAGGTGGAAGAACAGCTTCGGGCCCTGGAGGAGGAAAGCCCTTCCCTGAGGATC
 ATTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001172101

Insert Size: 1479 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_001172101.1](#), [NP_001165572.1](#)

RefSeq Size: 1659 bp

RefSeq ORF: 1479 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 (3) uses an alternate 5' splice pattern and uses a distinct start codon, compared to variant 1. The resulting isoform (b) has a longer N-terminus, compared to isoform a.