

Product datasheet for **MC201414**

Rnaseh2a (NM_027187) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnaseh2a (NM_027187) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rnaseh2a
Synonyms: 2400006P09Rik; RNASEHI; RNHIA; RNHL
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC038158 sequence for NM_027187
 GTCAGCATCAAGAGCCGCTGCAGTTTTTCGCGGAAAACGCGCGCTGGGACCTGCGCTTGCAGTGTGTTTT
 CTACAATTGTTGGCTGTGCAGAGGCAGCATGGATCTCAGCGAGCTGGAGAGGGACAATACGGTCTGTTG
 TCGTCTGAGTTCTCCTGTACCTGCTGTGTCTCAAGGAGCCGTGCGTTCTGGGCGTGGATGAAGCGGGC
 CGAGGCCCTGTGCTTGGTCCCATGGTCTACGCCATCTGTTACTGCCCCCTGTCTCGCTTGGCAGATCTGG
 AGGCTCTGAAAGTGGCAGACTCTAAGACCTTGACAGAGAACGAGCGGGAGAGGCTCTTTCGAAAAATGGA
 GGAGGATGGAGACTTTGTGGTTGGGCTTTGGACGTCCTGTCTCCAAACCTGATCTCTACCAGCATGCTT
 GGGCGAGTCAAGTACAACCTCAACTCCCTGTACACAGTACAGCAGCGGGGCTGATACAGTACGCACTGG
 ACCAGAATGTGAATGCACTCAGGTATTTGTGGACTGTAGGAATGCCAGAGACATACCAGGCTCGATT
 ACAACAGCACTTTCCCGGATAGAGGTGACAGTCAAGGCCAAAGCTGACTCCCTGTTCCCTGTGGTCAGT
 GCTGCCAGCATCTTTGCCAAGGTGGCCCGAGACAAGGCTGTGAAGAACTGGCAGTTTGTGGAAAATTTAC
 AGGATCTGGACTCCGATTATGGCTCAGGCTATCCCAATGATCCCAAGACCAAAGCCTGGCTGAGGAAACA
 TGTGGACCCTGTGTTGGCTTCCCCCAGTTTGTACGGTTCAAGTGGAGCACAGCCAGGCCATCCTGGAG
 AAGGAGGCAGAAGATGTCATTTGGGAGGACTCAGAAGCTGAGGAGGATCCTGAAAGACCGGGAAAAATCA
 CCTCTACTTCAGCCAGGGCCCGCAGACCTGCCGCCCTCAGGCCCCACAGATACTTCCAGGAGCGAGG
 CCTGGAGGCAGCCAGCAGCCTCTAGGAGCCACATGTGCACCACCTGCCCTTCTAACCCAGGAATAAAAG
 CTGTTCAAGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI
ACCN: NM_027187
Insert Size: 906 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).



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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:	<ol style="list-style-type: none">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:	<u>BC038158</u> , <u>AAH38158</u>
RefSeq Size:	1080 bp
RefSeq ORF:	906 bp
Locus ID:	69724
UniProt ID:	<u>Q9CWY8</u>
Cytogenetics:	8 C3
Gene Summary:	Catalytic subunit of RNase HII, an endonuclease that specifically degrades the RNA of RNA:DNA hybrids. Participates in DNA replication, possibly by mediating the removal of lagging-strand Okazaki fragment RNA primers during DNA replication. Mediates the excision of single ribonucleotides from DNA:RNA duplexes.[UniProtKB/Swiss-Prot Function]