

## Product datasheet for RN202752

### Rnaseh2b (NM\_001007007) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Rnaseh2b (NM\_001007007) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Rnaseh2b  
 Synonyms: MGC94780  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN202752 representing NM\_001007007  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCGGAGGTCGGGACCGGGGACTTGGCTGCTAGGCAGCTAGTGTTCTACTTCCAGAATATTTAA  
 AAGATGCCTCGAGGAAGTCAAGAGCGGCTCCTGTTTGTAAAGCTGGTCAACCCGCACTCAGGGGAAGG  
 AGCCACTTACTTAATTGATGCGTGTCTACAGAAGCTGTTTGAATAAAAGTTTTCAAGGAAAAACCCAT  
 TCTTGGTTTATAAATCAGTCAGTTCAATCAGGAGGCTTCTCCACTTTGCCACACCCATGGACCTTTAT  
 TTCTGCTCCTTCACTATCTCATAAAGGCTGGCAAAGAGGGGAAGTATCAGCCCTTGGATCAGGTTGTAGT  
 GGATGACAAGTTTCCAGATTGCACCTTGTCTGCTGAGATTTCTGAGCTTGAGAAGTCACTTCGGCATGTG  
 ACAGAGGAAAAAGAAGTGAACAGTAAGAAGTACTATAAGTACAGCACGGAGAAGACATTGAAGTGGCTGG  
 AGAAGAAGGTCAACCAACCGTGGCAGCACTGAAAGCCAATCATGTTAATGTTGGAGCCCGGTACAGTC  
 TTCTGCATATTTCTCTGGTGTTCAGGTTTCCAGGGACAAGGAAGAAGACTATGTTTCGATATGCCCATGGT  
 CTGATCTCTGATTACATCCCTAAAGAATTAAGTGACGATTTATCCAAGCTCTTGAAGCTTCCAGAACCCTC  
 CAGCCTCCCTGCCAAACCCTCCAGCAAAGAACTAAAGTTAGCAGATGAGCCTGTGGAAGCGAAAGAAG  
 TTACACTAAGTTTTAACACTAAGGACTTGAAGAACGGCAAGAAAAATAGCAAAATGACTGCAGCTCAGAAG  
 GCTTTGGCTAAAGTTGACAAGAGCGGAATGAAAAGTATTGATGCTTTTTTTGGCGCAAAAAATAAAAAA  
 CTGGAAGATT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001007007  
 Insert Size: 924 bp



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|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_001007007.1</a></u> , <u><a href="#">NP_001007008.1</a></u>   |
| <b>RefSeq Size:</b>           | 1450 bp   |
| <b>RefSeq ORF:</b>            | 924 bp  |
| <b>Locus ID:</b>              | 361056  |
| <b>UniProt ID:</b>            | <u><a href="#">Q5XI96</a></u>   |
| <b>Cytogenetics:</b>          | 15p12   |
| <b>Gene Summary:</b>          | Non catalytic subunit of RNase H2, 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 (By similarity).[UniProtKB/Swiss-Prot Function]   |