

Product datasheet for **MC210498**

Rnaseh2b (NM_026001) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnaseh2b (NM_026001) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rnaseh2b
Synonyms: 1110019N06Rik; 2610207P08Rik; Dleu8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC210498 representing NM_026001
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGGAGGTCGGGACCGGGGACTTGGCGGCCAGGCAGCTAGTGTTCTACTTCCAGAACATTTAA
 AAGATGCCTCGAAGAAGAAGAAGAGCAGCCTCCTGTTTCGTAAGCTGGCCAACCCGCACTCAGGGGA
 AGGAGCCACATACTTAATTGATATGTGTCTTCAACAGCTGTTTGAATAAAAAGTTTTCAAGGAAAAACAC
 CATTCTTGTTTATAAATCAATCAGTTCAATCAGGGGCCTTCTCCACTTGGCACCCATGGATCCAT
 TGTTCTGCTCCTCACTATCTCTAAAGGCTGGCAAAGAGGGGAAGTATCAGCCCTTGGACCAAGTCGT
 GGTGATGACACGTTTCCAGATTGCACCTTGCTGCTGAGATTTCTGAGCTTGAAAAGTCACTTCGGCAT
 GTGACAGAGGAAAAAGAAGTGAACAGCAAGAAGTACTATAAGTACAGCTCAGAGAAGACATTGAAGTGGC
 TGGAGAAGAAGGTCAACCAAAGTGGTGGCACTAAAAGCTAATAATGTCAATGTTGGAGCCCGGTTCA
 GTCATCTGCATATTTCTCTGGTGGTCAGGTTTCCAGGGACAAGGAAGAGGATTATGTTCCGATATGCCAT
 GGTCTGATCTCTGATTACATCCCTAAAGAACTGAGTGATGATTTTCCAAGTCTTGAAGCTTCCAGAAC
 CTCCAGCTTATTGACCAACCCTCCATCAAAGAACTAAAGTTATCAGATGAGCCTGTAGAAGCCAAAGA
 AGATTACACTAAGTTTAACTAAAGACTTGAAGACCGCAAGAAAAATAGCAAATGACTGCAGCTCAG
 AAGCCTTTGGCTAAAGTTGACAAAAGTGAATGAAAAGTATCGATGCCTTTTTTGGTGCAAAAAATAAAA
 AAAGTGGAAAGATT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_026001



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|-------------------------------|--|
| Insert Size: | 927 bp |
| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p> |
| 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: | NM_026001.2 , NP_080277.1 |
| RefSeq Size: | 1457 bp |
| RefSeq ORF: | 927 bp |
| Locus ID: | 67153 |
| UniProt ID: | Q80ZV0 |
| Cytogenetics: | 14 D1 |
| Gene Summary: | 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.[UniProtKB/Swiss-Prot Function] |