

Product datasheet for **MG204353**

Rnaseh2b (NM_026001) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnaseh2b (NM_026001) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rnaseh2b
Synonyms:	1110019N06Rik; 2610207P08Rik; Dleu8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204353 representing NM_026001 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGAGGTCGGGACCGGGGACTTGGCGGCCAGGCAGCTAGTGTTCTACTTCCAGAACATTTAA
AAGATGCCTCGAAGAAGAAGAAGAGCAGCCTCCTGTTCTGTAAGCTGGCCAACCCGCACTCAGGGGA
AGGAGCCACATACTTAATTGATATGTGTCTTCAACAGCTGTTTGAATAAAAAGTTTTCAAGGAAAAAC
CATTCTTGTTTATAAATCAATCAGTTCAATCAGGGGCCTTCTCCACTTGGCACCCCATGGATCCAT
TGTTCTGCTCCTCACTATCTCTAAAGGCTGGCAAAGAGGGGAAGTATCAGCCCTTGGACCAAGTCGT
GGTCGATGACACGTTTCCAGATTGCACCTTGCTGCTGAGATTTCTGAGCTTGAAAAGTCACTTCGGCAT
GTGACAGAGGAAAAAGAAGTGAACAGCAAGAAGTACTATAAGTACAGCTCAGAGAAGACATTGAAGTGGC
TGGAGAAGAAGGTCAACCAAAGTGGTGGCACTAAAAGCTAATAATGTCAATGTTGGAGCCCGGTTCA
GTCATCTGCATATTTCTCTGGTGGTCAGGTTTCCAGGGACAAGGAAGAGGATTATGTTCCGATATGCCAT
GGTCTGATCTCTGATTACATCCCTAAAGAACTGAGTGATGATTTATCCAAGTCTTGAAGCTTCCAGAAC
CTCCAGCTTATTGACCAACCCTCCATCAAAGAACTAAAGTTATCAGATGAGCCTGTAGAAGCCAAAGA
AGATTACACTAAGTTTAACTAAAGACTTGAAGACCGCAAGAAAAATAGCAAAATGACTGCAGCTCAG
AAGCCTTTGGCTAAAGTTGACAAAAGTGAATGAAAAGTATCGATGCCTTTTTTGGTGCAAAAAATAAAA
AAACTGGAAAGATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204353 representing NM_026001
 Red=Cloning site Green=Tags(s)

MAGGRDRGDLAARQLVFLPEHLKDASKKKKSSLLFVKLANPHSGEGATYLIDMCLQQLFEIKVFKEKH
 HSWFINQSVQSGGLLHFATPMDPLFLLHYLLKAGKEGKYQPLDQVVDDTFPDCITLLRFPELEKSLRH
 VTEEKEVNSKKYKYSSSEKTLKWLKVKVNTVVALKANNVNVGARVQSSAYFSGGQVSRDKEEDYVRYAH
 GLISDYIPKELSDDLKFLKLEPPASLTPPPSKLKLSDPEVEAKEDYTKFNTKDLKTGKKNSKMTAAQ
 KALAKVDKSGMKSIDAFFGAKNKKTKGI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026001

ORF Size: 924 bp

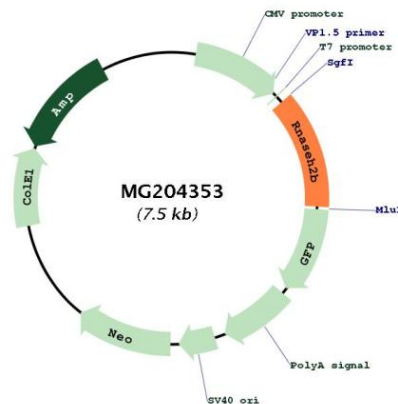
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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.

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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_026001.3
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]

Product images:



Circular map for MG204353