

Product datasheet for RN202776

Rnaseh2a (NM_001013234) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnaseh2a (NM_001013234) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rnaseh2a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN202776 representing NM_001013234 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCTCAGCGAACTGGAGAGGGACAATACAGGCCGTTGTCGCCTGAGTTCTCCTGTACCTGCCGTG
GCCTCAAGGAGCCGTGCGTCCTGGGCGTGGATGAAGCGGGCCGGGTCTGTGCTTGGTCCCATGGTCTA
CGCCATCTGTTACTGCCCCCTGTCCCCTGGCAGATCTGGAGGCCCTGAAAGTAGCAGACTCAAAGACC
TTGACAGAGAATGAGCGGGAGAGGCTCTTGCGAAAATGGAAGAGGACGGAGACTTTGTGGTTGGGCTT
TGGACATCCTGTCTCAAACCTGATCTCTACCAGCATGCTTGGCGGGTCAAATACAACCTCAACTCTAT
GTCTCACGACACAGCCGCGGGGCTGATACAGCATGCGATGGATCAGAATGTGAAAGTCACCCAGGTGTTT
GTGGACACTGTAGGAATGCCAGAGACATACCAGGCTCGACTACAGCAGCGGTTCCAGGGATCGAGGTGA
CAGTCAAGGCCAAAGCTGACTCCCTGTTCCCTGTGGTCAAGTGTGCCAGCATATTGCCAAGGTGGCCCG
AGACCAGGCTGTGAAGAACTGGCAGTTTGTGGAGATTTACAGGGTCTGGACTCAGATTATGGCTCAGGC
TATCCCAATGATCCCAAGACCAAAGCCTGGCTGAGGAAACATGTGGACCCTGTGTTGGCTTCCCCAGT
TTGTACGGTTCAGTTGGAGCACAGCCAGGCCATCCTGAAAAGGAGGCAGAAAGTGCACCTGGGAAGA
CTCAGCAGCTGAGGAGGATCCTGAGGGACCCGGAAGAATCACCTCTACTTCAGCCAGGGCCCGCAGGCC
TGCCGCCCTCAGGTCTCCACAAATACTTCCAGGAGCGAGGCCTGGAGACAGCCACCAGCCTC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001013234
Insert Size:	906 bp



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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:	<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>NM_001013234.1</u> , <u>NP_001013252.1</u>
RefSeq Size:	1720 bp
RefSeq ORF:	906 bp
Locus ID:	364974
UniProt ID:	<u>Q5U209</u>
Cytogenetics:	19q11
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 (By similarity).[UniProtKB/Swiss-Prot Function]