

Product datasheet for RR205003L3

OriGene Technologies, Inc.

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Rnaseh1 (NM_001013097) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Rnaseh1 (NM_001013097) Rat Tagged Lenti ORF Clone

Tag:Myc-DDKSymbol:Rnaseh1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this

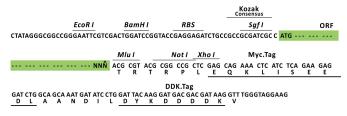
Sequence:

The ORF insert of this clone is exactly the same as(RR205003).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM 001013097

ORF Size: 855 bp

Rnaseh1 (NM_001013097) Rat Tagged Lenti ORF Clone - RR205003L3

OTI Disclaimer: 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: 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 001013097.2</u>, <u>NP 001013115.1</u>

RefSeq Size: 1400 bp
RefSeq ORF: 858 bp
Locus ID: 298933
UniProt ID: Q5BK46

Cytogenetics: 6q16

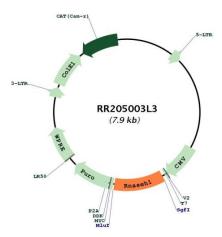
Gene Summary: This gene encodes an endonuclease that specifically degrades the RNA of RNA-DNA hybrids

and is necessary for DNA replication and repair. This enzyme is present in both mitochondria and nuclei, which are resulted from translation of a single mRNA with two in-frame initiation start codons. The use of the first start codon produces the mitochondrial isoform and the use of the second start codon produces the nuclear isoform. The production of the mitochondrial isoform is modulated by an upstream open reading frame (uORF) which encodes 7aa in rat.

[provided by RefSeq, Nov 2013]



Product images:



Circular map for RR205003L3