

### Product datasheet for RR200210L4

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OriGene Technologies, Inc.

## Rtn3 (NM\_001009953) Rat Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Rtn3 (NM\_001009953) Rat Tagged Lenti ORF Clone

Tag: mGFP Symbol: Rtn3

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The ORF insert of this clo

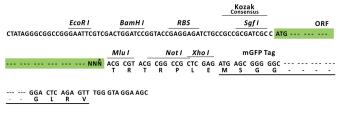
Sequence:

The ORF insert of this clone is exactly the same as(RR200210).

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





\* The last codon before the Stop codon of the ORF.

**ACCN:** NM 001009953

ORF Size: 711 bp

#### Rtn3 (NM\_001009953) Rat Tagged Lenti ORF Clone - RR200210L4

**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 001009953.3</u>, <u>NP 001009953.2</u>

1q43

RefSeq Size:2817 bpRefSeq ORF:714 bpLocus ID:140945UniProt ID:Q6RIR6

Cytogenetics:

**Gene Summary:** This gene encodes a member of the reticulon family, a large group of membrane-bound

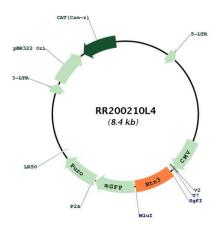
proteins that primarily localize to the endoplasmic reticulum with a small subpopulation at the cell surface. These proteins play roles in endocytosis, exocytosis, trafficking and neuronal outgrowth. Proteins belonging to this family are characterized by a carboxy-terminal reticulon homology domain that consists of a small hydrophilic loop flanked by hydrophobic regions. In rat, this protein has been shown to interact with two members of the synaptic adhesion-like molecule family, suggesting that it may function in trafficking of these proteins. Alternative

splicing results in multiple transcript variants. [provided by RefSeq, Mar 2015]

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# **Product images:**



Circular map for RR200210L4