

## Product datasheet for **RN211419**

### **Rtn1 (NM\_053865) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rtn1 (NM_053865) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rtn1
Synonyms:	Nsp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211419 representing NM\_053865  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCGACCGCCGGATCTGCAAGATGAGCCACTGTCTCCGGCTAACCCCGGGTCCAGTTGTTCCGGG  
 GCCGGGGGAGGGGAAGAAGCGACGCCGAAGGGGGCCAGACCAGCGCAGCAGGACGGGGAGCCCGCTTG  
 GGGTCCGGCGCTGGAGCTGGGGTAGTGTCTCGCGGGGACTGTCTCCGGCCCCCGCGGTGCGCTCCC  
 GTCGCCATGAAACTGCATCCACAGGTGTGGCAGCTGTTCTGATGCCCTCGATCACTCTTCTCTCCAA  
 CACTAAAAGATGGGAAGGGGCATGTTACACATCCCTGATTTCTGACATCTGTTATCCACCTCGAGAGGA  
 CTCTGCATACTTTACTGGAATCTTTCAGAAAGAAAATGGTCACATCACCCTTCCGAGAGTCTGAGGAG  
 CTGGGACCCCGGACCCTTTTACCAGAAGTGCCTGGGACGGAGCCACATGGCTATTGAGTTCTGATT  
 CTGGAATAGAGATGACTCCTGCTGAGTCCACTGAGGTGAACAAGATCCTAGCTGACCCCTAGACCAGAT  
 GAAAGCAGAGGCCTGTAATATATTGACATAACCAGGCCACAGGAGGCAAAGGCCAGGAGGAGCAATCC  
 CCTGGGCTAGAAGACAAAGACTTGGACTTTAAAGACAAGGACTCTGAAGTCTCCACAAAACCAGAAGGGG  
 TCCATGCACCTAACCGCATCTCCTGTGGAGGGGAAGCTCATCAAGGACAACTATTTGAAGAATCTAC  
 CTTTGCTCCTTACATAGATGAGCTTTCTGATGAGCAACACAGGATGTCTCTGGTCACTGCCCTGTCAAG  
 ATCACACTGACGGAAATCGGACCTCCTGTCTGACTGCCACACAGAGACAATCCCGAGAAGCAAGACC  
 TGTGTCTAAAGCCAAGTCTGACACAGTCCCCTGTGACTGTCTCAGAGCCTGAAGATGACAGCCCAAG  
 ATCTGTCACTCCTCCATCTTCTGGAACAGAACCATCTGCTGCAGAGTCCCAGGGGAAAGGCAGCGTCTCC  
 GAGGATGAGTTGATTGCTGCCATTAAGAAGCAAAGGGTTATCATATGAAACAACCGAGAGTCCAAGGC  
 CAGTGGGCCAGGGCGCCGACAGACCCAAAGTCAAGGCCAGTCCGGGCTGCCACAATCCCGCATCCCT  
 GGACCAGGAGCCAGCAGTGCAGGAGTCCGGAGACTCAGAAATTGAACTGGTGTGAGAGGACCCCATGGCC  
 TCTGAGGATGCGCTACCCTCTGGCTATGTGAGCTTCGGCCACGTGTGGGCCCGCCTCCCTCTCCTGCCT  
 CTCATCTATCCAGTACAGCATCCTGCGGGAGGAGCGGGAGGCGGAGCTGGACAGCGAGCTCATCATCGA  
 GTCCTGCGATGCCTCCTCGGCTCAGAGGAGAGCCCAAGCGGAGCAGGACTCGCCCCGATGAAACCG  
 GCGTCTGGATGCCATCCGCGAAGAGACAAGCTCTCGGGCCACCAGAGCGAGCGCCAGCCACCAAG  
 GCCCTGTGGAACCTGACCCGATACTCAGCTTACCCTGTACCCTCCAGTCCCAGCCAGAGCCATCATC  
 AGGTGATGGAGCCCGGTCCCAGAGCCGCCAAGTACAGCAGCAGAAGCCTGAAGAGGAAGCTGTGAGT  
 TCCAGCCAAAGTCCCGCGCCACCAGAAATCCTGGACACTTGGTTCTGACCTCGTCCCCCTCTGCCTT  
 TCTTCAACAAGCAAAAAGCTATTGACCTTCTGTACTGGCGGACATCAAGCAGACGGGGATTGTGTTCCGG  
 GAGCTTCTGCTGCTCTTCTCCCTGACCCAGTTTACGCTTGTGAGCGTGTGAGCGTGTGCGCTACCTGGCCCTG  
 GCTGCCCTCTCTGCCACCATCAGCTTCCGCATCTACAAGTCCGTTCTACAAGCTGTGAGAAAACAGATG  
 AGGGTACCCCTTCAAGGCTACCTGGAGCTGGAGATCACCTGTCCCAGGAGCAGATCCAGAAGTACAC  
 AGACTGCCTGCAGCTATACGTGAACAGCACTCTGAAGGAGCTACGGAGGCTTCTCCTGGTCCAGGACCTG  
 GTGGATTCTTAAATTTGCAGTCTCATGTGGCTCCTGACCTACGTTGGCGCACTTCTCAATGGCTGA  
 CCCTGCTGCTTATGGCTGTGGTTTCGATGTTTACTCTACCTGTGGTATATGTTAAGCACCAGGCACAGGT  
 TGACCAATATCTGGGACTTGTGAGGACTCACATAAACACCGTTGTGGCAAAGATCCAGGCTAAAAATCCCC  
 GCGCCAAGAGGCACGCTGAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_053865  
**Insert Size:** 2334 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_053865.1</a> , <a href="#">NP_446317.1</a>
<b>RefSeq Size:</b>	3502 bp
<b>RefSeq ORF:</b>	2334 bp
<b>Locus ID:</b>	116644
<b>UniProt ID:</b>	<a href="#">Q64548</a>
<b>Cytogenetics:</b>	6q24
<b>Gene Summary:</b>	displays differential expression in response to ethanol during embryonic brain development; may be regulated by thyroid hormone [RGD, Feb 2006]