

## Product datasheet for **RN208085**

### Rgn (NM\_031546) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rgn (NM\_031546) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rgn  
**Synonyms:** GNL; Rc; Reguc  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN208085 representing NM\_031546  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCTTCCATCAAGATTGAATGTGTTTTAAGGGAGAACTACAGGTGTGGGAGTCCCCTGTGTGGGAGG  
AGGCATCAAAGTGTCTGCTGTTTGTAGACATCCCTTCAAAGACTGTCTGCCGATGGGATTCGATCAGCAA  
TCGAGTGCAGCGAGTTGGTGTAGATGCCCCAGTCAGTTCAGTGGCACTTCGACAGTCAGGAGGCTATGTT  
GCCACCATTGGAACCAAGTTCTGTGCTTTGAACTGGGAAGATCAATCAGTATTTATCCTAGCCATGGTGG  
ATGAAGATAAGAAAAACAATCGATTCAATGATGGGAAGGTGGATCCTGCTGGGAGATACTTTGCTGGTAC  
CATGGCTGAGGAAACGGCCCCAGCTGTTCTGGAGCGGCACCAAGGGTCTTGTACTCCCTTTTCTCTGAT  
CACAGTGTGAAGAAATACTTTGACCAAGTGGATATCTCCAATGGTTTGGATTGGTCCCTGGACCATAAAA  
TCTTCTACTACATTGACAGCCTGTCTACACTGTGGATGCCTTTGACTATGACCTGCCAACAGGACAGAT  
TTCCAACCGCAGAAGTGTACAAGATGGAAAAAGATGAACAAATCCCAGATGGAATGTGCATTGATGTT  
GAGGGGAAGCTTTGGGTGGCCTGTTACAATGGAGGAAGAGTAATTCGCCTAGATCCTGAGACAGGGAAAA  
GACTGCAAAGTGAAGTTGCCTGTTGATAAAACAACCTTCATGCTGCTTTGGAGGAAGGATTACTCTGA  
AATGTACGTGACATGTGCCAGGGATGGGATGAGCGCCGAAGTCTTTTGAGGCAGCCTGATGCTGGTAAC  
ATTTTCAAGATAACAGGTCTTGGGTCAAAGGAATTGCTCCATATTCCTATGCAGGGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_031546  
**Insert Size:** 900 bp



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<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_031546.1</a> , <a href="#">NP_113734.1</a>
<b>RefSeq Size:</b>	1605 bp
<b>RefSeq ORF:</b>	900 bp
<b>Locus ID:</b>	25106
<b>UniProt ID:</b>	<a href="#">Q03336</a>
<b>Cytogenetics:</b>	Xq11
<b>Gene Summary:</b>	binds calcium ions; induces increased activity of the sarcoplasmic reticulum calcium-transporting ATPase [RGD, Feb 2006]