

## Product datasheet for **MC228115**

### **Rnpc3 (NM\_001287015) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rnpc3 (NM_001287015) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnpc3
Synonyms:	2810441O16Rik; AI447568; C030014B17Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228115 representing NM\_001287015  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGGCCTGAGCCGCCGATGCCGCTGCCGAGGCGGCCAGGCTCCGCTTCGCTTCTCCGCCCC  
 GGGGAGACCGCACCTCCTCGTCAGGCACCTGCCGGCCGAGCTGACGGCTGAGGAGAAGGAGGACTTACT  
 GAAGTACTTCGGGGCGCAGTCGGTGCGCCTCTGTGAGATAAGGGGCGCCTGAAACACACAGCATTGTCT  
 ACTTTCCCTAATGAAAAAGCAGCAATAAAGGCACTGACGAGACTCCATCAGCTGAAACTTCTAGGTCATA  
 CTTTAGTTGTTGAATTTGCAAAAGAGCAAGATCGAGTTCCTCCCATGTTCCACCTCAAATACAGAGAA  
 AAAGAAAAGTTGGATGACACTGTGAAAATGATAAAGAGAAGAAAGAACCTGACATTTTAAACAGTAGAA  
 AATGGAATTGCACCAATCATGGGCTGACTTTTCTCTGAATTCATGCCTTAAATATATGTATCCTCCAC  
 CATCAAGCACAATCCTCGCAAATATAGTAAATGCTCTGGCAAGTGTCCAAAATTCTATGTACAGGTGCT  
 TCATCTTATGAATAAAATGAATTTGCCACACCATTTGGACCGATTACTGCACGACTCCTATGTATGAG  
 GACTATATGCCATTGCATGCACCCCTTCCACCTACATCCCTCAACCGCCTGAGGAGCCTCCCTTACCAG  
 ATGAGGATGAGGATTTATCTAGCAAAGAATCAGAATATGAAAGCAGTGATGAGGAGGACCGACAGAGAAT  
 GAACAGATTAATGGAAGTAGCAAATCTTCAGCCAAAAGACCCAAAACAGAAAAGCCACGCCACGTGAGA  
 AAAAAGCGAAAAATAAAGGATATGTTGAATATACCTTCATCAGCTTACATAGTTTGATCCTGTGCTGT  
 TACCTTCGGATGTATTTGACCAGCCACAATCTGTAGGTAATAAAAAATTGAGTTCAATATATCAACCAA  
 CATGCCTGCAGCATTTAACAAAGATTTGGAGACACAACCAATAATGAAGAAGAAAATTCTGATTCACCA  
 GACTGGACTTGATTCAAATACAGGATTTGGCAAAATCTCCCTAAACCTAATTTGAACATCACAGAAG  
 AGATTACAGAAGACTCTGATGAAATACCTTCACAATTTATTTCTAGAAAAGAGTTGGAAAAGGGTCGTAT  
 TTCTAGAGAAGAAATGGAAACACTTTCAGTTTTTGAAGTTATGAACCTGGTGAACCAAACTGCAGAATT  
 TATGTAAGAATTTAGCTAGACATGTTTCAAGAAAAGGACCTTAAATTTATATTTGGAAGATACGTTGACT  
 TTTCTTCAGAAACACAGCGGATCATGTTTGATATTCGCTTAATGAAAGAAGGACGCATGAAAGGACAAGC  
 TTTTGTGGACTTCCAAATGAAAAGCAGCCGCTAAAGCGTTGAAAGAAGCTAATGGCTATGTTCTTTT  
 GGAAAACCATGGTGGTTTTTCTCGATCTGCTAGACAAAACAGGATTCTAAAGAAGGAAAACGGGAAGT  
 GA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001287015

**Insert Size:** 1542 bp

**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).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**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).

<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>	<u><a href="#">NM_001287015.1</a></u> , <u><a href="#">NP_001273944.1</a></u>
<b>RefSeq Size:</b>	3885 bp
<b>RefSeq ORF:</b>	1542 bp
<b>Locus ID:</b>	67225
<b>UniProt ID:</b>	<u><a href="#">Q3UZ01</a></u>
<b>Cytogenetics:</b>	3 F3
<b>Gene Summary:</b>	<p>Participates in pre-mRNA U12-dependent splicing, performed by the minor spliceosome which removes U12-type introns. U12-type introns comprises less than 1% of all non-coding sequences. Binds to the 3'-stem-loop of m(7)G-capped U12 snRNA (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. It encodes isoform b which is shorter than isoform a.</p>