

## Product datasheet for **RR215237**

### **Rpn1 (NM\_013067) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rpn1 (NM_013067) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rpn1
Synonyms:	RIBI; RPN-I
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR215237 representing NM\_013067  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGGCGCCGATCGTCTTGTCTGCTGCTATGGCTCGGGCCTTGGCCCCGACGCCCGCAGCGCT  
 CTTTCGGAGGCTCCGCCGCTGGTCAACGAGGACGTGAAGCGCACGGTGGACCTGAGCAGCCACCTAGCCAA  
 GGTGACGGCTGAGGTGGTCTGGCGCACCCGGCGCGCTCTACAGCACGAGCCAGCTCTTTCGTTCTG  
 GCCCTGGAGCCGAAGTGGAGTCGCGACTTGCACACCTAGGCGTGCAGGTAAGGAGAGAAGATGAGGAAG  
 ACAACAACCTAGAAGTACGAGAAACAAAATGAAGGGGAAAAGTGGGAGGTTTTTACCCTCAAGCTCCC  
 AGTTGCTCTTGATCCTGGGTCCAAGATCTCAATCGTTGTGAAACTGTCTACACCATGTGCTTCATCCA  
 TACCCGACTCAGATAACTCAGTCAGAGAAACAGTTTGGTGTGGAGGGCAACCATTACTTCTACTCTC  
 CCTATCCAACAAGACCCAGACCATGCGAGTGAGACTTGGTCCCGAAATGTGGAGAGCCATACCAAGT  
 GGGGAACCCCTCAAGTCTGAGGACATCCTGGACTATGGGCTTTTAAAGACATCCCTGCCTACAGTCAG  
 GATACTTTCAAAGTACATTATGAGAACAATAGCCCTTTCCTGACCATCACCAGTATGACCCGGGTCAATTG  
 AGGTTTCTCACTGGGCAATATTGCTGTGGAAGAGAACGTGGACTTGAAGCATACAGGTGCGGTGCTGAA  
 GGGACCTTTCCTCCGCTACGATTACCAGAGGCAGCCTGACAGTGGGATCTCCTCCATTGTTCTTTAAG  
 ACCATCCTTCTGCTGCTGCCAGGATGTGATTACCGGGATGAAATCGGTAATGTTTCCACCAGCCACC  
 TCCTTATTTGGATGACTCCGTGGAATGGAAATCCGGCTCGATTTCTCTCTTTGGAGGGTGAAGAC  
 AACTACATCGTTGGTTACAACCTCCAAGCTATGAGTACCTCTATAATCTGGGTGACAGTATGCACTG  
 AAGTACGGTGTGAGACCAGTGTGATGAGCAAGTATGATTCTCTGACAGTGAAGTATCATCCTTC  
 CTGAGGGAGCCAAGAACATCCAGGTAGACAGTCCCTACGATATTAGCCGGGCCAGATGAGCTGCATTA  
 CACCTACCTAGACACATTCGGCCCGGTGATTGTTGCTTACAAGAAGAATCTAGTTGAACAGCACATT  
 CAGGACATTGTTGCTGCACTACACATTCAACAAGGTGCTCATGCTGCAGGAGCCTCTGCTGTTGTGGCCG  
 CCTTCTACATCCTGTTCTTACCCTCATCATCTACGTCGCTTAGACTTTTCCATCACCAGGACCCAGC  
 AGCAGAAGCCAGGATGAAAGTGGCTGTATCACAGAGCAGGTCTTAACCTGGTCAACAAGAGGTTAGGC  
 CTCTACCCTCACTTTGATGAGACTGTCAATAGATACAAGCAGTCCCGGACATCTCTACCCTCAATAGT  
 GCAAGAAGAGCCTAGAGACAGAGCACAAGCTGTGACAGTGTGAGATTGCTGTGCTGCAGTCTAGGCTGAA  
 GACGGAGGCTCTGACCTGTGTGACAGGTTGAGCGAAATGCAGAAGCTGGACGCGCAGGTCAAGGAGCTG  
 GTACTGAAGTCTGCGGTGGAGGCAGAGAGGCTGGTGGCTGGCAAGCTCAAGAAGGACACATACATCGAGA  
 ATGAAAAGCTCAGCTCAGGAAAACGCCAGGAGCTGGTCAACAAGATCGACCACATCTGGAGCCTCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR215237 representing NM\_013067  
 Red=Cloning site Green=Tags(s)

MEAPIVLLLLLWLGALAPTPGSASSEAPPLVNEVDVKRTVDLSSHAKVTAEVVLAHPGGSTARASSFVL  
 ALEPELESRLAHLGVQVKGEEEDNNEVRETKMKGKSGRFFTVKLPVALDPGSKIIVVETVYTHVHP  
 YPTQITQSEKQFVVFEGNHFYFSPYPTKTQTMRVRLASRNVESHTKLGNSRSEDILDYGPFDIPAYSQ  
 DTFKVHYENNSPFLTITSMTRVIEVSHWGNIAVEENVLDKHTGAVLKGPFSRYDYQRQPDSSGSIIRSFK  
 TILPAAAQDVVYRDEIGNVSTSHLLILDSSVEMEIRPRFPLFGGWKTHYIVGYNLPSYEYLYNLGDQYAL  
 KMRFVDHVFDEQVIDSLTKIILPEGAKNIQVDSPIYDLSRAPDELHYYLDTFGRPVIVAYKKNLVEQHI  
 QDIVVHYTFNKVLMQLEPLLVAIFYILFFTVIIYVRLDFSIKDPAAEARMKVACITEQVLTLVNKRGL  
 LYRHFDETVNRYKQSRDITLNSGKKSLETEHKAVTSEIAVLSRLKTEGSDLCDRVSEMQLDAQVKEL  
 VLKSAVEAERLVAGLKKDITYIENEKLSGKRQELVTKIDHILDAL

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_013067.2</a> , <a href="#">NP_037199.2</a>
<b>RefSeq Size:</b>	2261 bp
<b>RefSeq ORF:</b>	1821 bp
<b>Locus ID:</b>	25596
<b>Cytogenetics:</b>	4q34
<b>MW:</b>	68.4 kDa
<b>Gene Summary:</b>	may play a role in translocation of nascent polypeptides synthesized on membrane bound polysomes [RGD, Feb 2006]