

## Product datasheet for **RR214863**

### Rpl3 (NM\_198753) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rpl3 (NM_198753) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rpl3
Synonyms:	MGC72934
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214863 representing NM_198753 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGTCTCACAGGAAATTCTCAGCTCCTAGGCATGGGTCTTGGGCTTCTTGCCTCGGAAGCGCAGCAGCC  
GGCATCGTGGAAAAGTGAAGAGCTTCCCTAAGGATGACCCCTTCCAAGCCTGTTACCTCACAGCCTTCT  
AGGGTACAAGGCTGGCATGACCCACATTGTCCGGGAAGTTGACCGGCCAGGATCTAAGGTGAATAAGAAA  
GAAGTTGTGGAGGCTGTGACCATTGTGGAAACCCACCCATGGTGGTGTGGGTATTGTGGGATATGTAG  
AAACCCACGAGGCTCCGGACCTTCAAGACTGTATTTGCTGAGCACATCAGCGATGAGTGTAAAAGGCG  
TTTCTATAAGAATTGGCACAATCTAAGAAGAAGGCTTTTACCAAGTACTGTAAGAAATGGCAAGATGAC  
ACAGGCAAGAAGCAGCTGGAGAAGGACTTCAACAGCATGAAGAAGTACTGCCAGGTATCCGCATAATTG  
CTCACACTCAGATGCGCCTGCTTCTCTGCGCCAGAAGAAGGCACACTTATGAGATCCAGGTGAATGG  
GGCACTGTAGCTGAGAAGCTAGACTGGGCCGAGAGAGGCTGGAGCAGCAGGTCCCTGTGAACAGGTG  
TTTGGCAAGATGAGATGATTGACGTATCGGCGTGACAAAGGGCAAAGGCTACAAAGGGTGACCAGTC  
GTTGGCATACAAAGAAGCTGCCCGAAAGACCCACAGAGGTCTGCGCAAAGTTGCTTGTATTGGAGCTTG  
GCATCCTGCCCGTGTAGCCTTCTCTGTGGCTCGAGCTGGGCAGAAAGGCTACCATCACCGAACAGAGATC  
AACAAAGAAGATTTACAAGATTGGTCAAGGCTACCTCATCAAGGATGGTAAGCTGATCAAGAACAATGCAT  
CTACTGACTACGACCTGTCTGACAAGAGCATCAACCCACTGGGTGGCTTTGTCCATTATGGTGAGGTGAC  
CAATGACTTATCATGCTCAAAGGCTGTGTGGTGGGAACCAAGAAGCGAGTGCTTACTCTCCGGAAGTCC  
TTGCTGGTCCAGACCAAGCGTCGGGCTCTTGAGAAGATTGACCTGAAGTTCATTGACACCACCTCCAAAT  
TCGGACATGGTCGCTTCCAGACCATGGAGAAAAGAAAGCATTTCATGGGACCGCTCAAGAAAGATCGCAT  
TGCCAAGGAGGAAGGTGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214863 representing NM\_198753  
 Red=Cloning site Green=Tags(s)

MSHRKFSAPRHGSLGFLPRKRSSRHRGKVKVSPFKDDPSKPVHLTAF LGYKAGMTHIVREVDRPGSKVNNK  
 EVVEAVTIVETPPMVVVGIVGYVETPRGLRTFKTVFAEHISDECKRRFYKNWHKSKKKAF TKYCKKWQDD  
 TGKKQLEKDFNSMKKYCQVIRIIAHTQMRLPLRQKKAHLEIQVNGGTVAEKLDWARERLEQQVPVNQV  
 FGQDEMIDVIGVTKGKGYKGVTSRWHTKKLPRKTHRGLRKVACIGAWHPARVAFSVARAGQKGYHHRTEI  
 NKKIYKIQGYLIKDGKLIKNNASTDYDLSDKSNPLGGFVHYGEVTNDFIMLKGCVVGTKKRVLTLRKS  
 LLVQTKRRALEKIDLKFIDTTSKFGHGRFQTMEEKKAFMGPLKKDRIAKEEGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

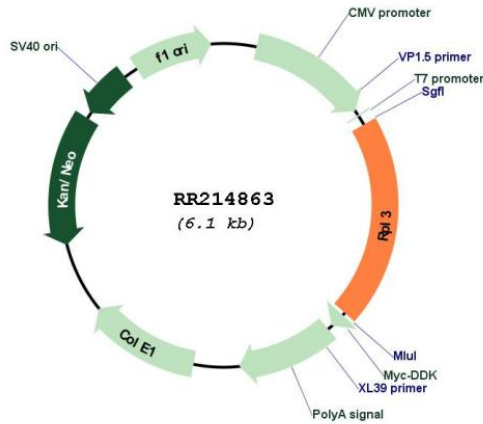
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_198753

<b>ORF Size:</b>	1209 bp
<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_198753.2</a> , <a href="#">NP_942048.1</a>
<b>RefSeq Size:</b>	1317 bp
<b>RefSeq ORF:</b>	1212 bp
<b>Locus ID:</b>	300079
<b>UniProt ID:</b>	<a href="#">P21531</a>
<b>Cytogenetics:</b>	7q34
<b>MW:</b>	46.1 kDa
<b>Gene Summary:</b>	may act as a structural constituent of the ribosome [RGD, Feb 2006]