

## Product datasheet for **RR214323**

### Mrpl3 (NM\_001106852) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mrpl3 (NM_001106852) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mrpl3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214323 representing NM_001106852 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCCGGGTTGGAGGCTGCTGGCGCAAGCTGGCGCCCAAGTGCTGGGTTGTGGCGCCGAGGCGCTAGGTG  
CTGCCCCAGGCTTAGGGAGTAGAAAGAACATCTGTTCGTTGTTAGAAATCTGCACAGCAAGAGTAGTAC  
TTGGTGGGATGAGCATCTGTCTGAAGAAAATGTCTCGTTTGTAAACAGCTGGTCTCCGATGAAAAATAAA  
GCCCAGCTGACAAGTAACTGAACCCCTTGAAGGACGAACCATGGCCTTTCATCCCTGGGAACCGGTT  
CTTCCAGAGTTGGCCTTATCGCCCTGAAGCTGGGTATGATGCCTTTATGGACCAAGGATGGTCAAAAGCA  
TGCAGTCACCTTACTTCAGGTACAAGACTGTCATGTGTTAAAGTACACTCCCAAGGAAGACCATAATGGA  
AAAACAGCGGCCCTAACAGTGGGGGGAAAACCGGTCACGCCTGTATAAACCAACTCTATATTGGAAT  
TTTACCGAGATCTTGGATTGCCACAAAACAGACAATTAATCTTTTATGTAACAGATAATGCTGTAAT  
TAAGCCAGGGACTCCTCTTTATGCAGCTCACTTCGCCCGGACAGTATGTGGATGTCACAGCCAAAAC  
ATTGGTAAAGGTTTTTCAGGGCGTCATGAAAAGATGGGGATTTAAAGGCCAACCTGCTTCTCACGGTCAA  
CAAAGACCCACAGGAGACCTGGCGCCATCTCAACTGGGGATATTGCCAGAGTCTGGCCTGGAACATAAA  
GCCCGGGCAAATGGGAAACAAAACAGGACAGTGTATGGGCTGAAGGTGTGGAGAGTGAACACCAAGCAC  
AATATAATCTATGTCAATGGCTCTGTGCCTGGACATAGAAATTGCTTAGTGAAGATCAAGGACTCTACGC  
TGCTGCATACAAGGATCTCTGTAAGAGCCTGCCGTTCCCTACCTACTTTCTGATGGAGACGAAGAAGA  
ACTTCCAGAAGATCTGTACGATGAGAGCGTGTGGCAGCCAGCGAACCTTCCATCACCTTTGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR214323 representing NM\_001106852  
 Red=Cloning site Green=Tags(s)

MPGWRLLAQAGAQVLGCGAGGLGAAPGLGSRKNILFVVRNLHKSSTWDEHLSEENVSFVKQLVSDENK  
 AQLT SKLNPLKDEPWPLHPWEPGSSRVGLIALKLGMMPLWTKDGGKHAVTLLQVQDCHVLKYTPKEDHNG  
 KTAALTVGGKTSRLYKPN SILEFYRDLGLPPKQTIKIFHVTDNAVIKPGTPLYAAHFRPGQYVDVTAKT  
 IGKGFQGVMKRWGFKGQPASHGQTKTHRRPGAISTGDIARVWPGTKMPGQMGNQNRVYGLKVRVNTKH  
 NIIYVNGSVPGHRNCLVKIKDSTLPAYKDLCKSLPFPTYFDPGDDEEELPEDLYDESVMQWQSEPSITFA

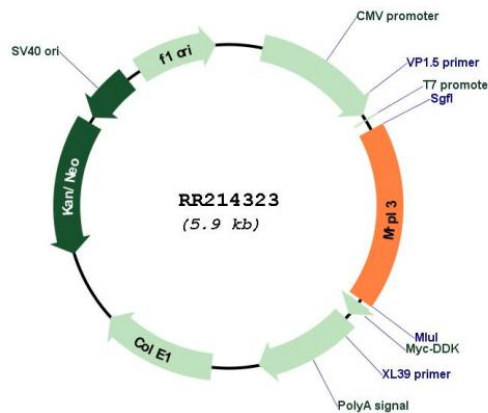
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001106852

<b>ORF Size:</b>	1044 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_001106852.1</a> , <a href="#">NP_001100322.1</a>
<b>RefSeq Size:</b>	1647 bp
<b>RefSeq ORF:</b>	1047 bp
<b>Locus ID:</b>	300974
<b>Cytogenetics:</b>	8q32
<b>MW:</b>	38.5 kDa