

## Product datasheet for **RN214534**

### Mrpl12 (NM\_001029900) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids

Product Name: Mrpl12 (NM\_001029900) Rat Untagged Clone

Tag: Tag Free

Symbol: Mrpl12

Synonyms: Rpm12

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >RN214534 representing NM\_001029900  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGCCGCGGAGGGCTGCAGGAGAAAGCTCCGACCCAGTACTATTCCGGGCCAGACTGCGTCTGCGCGT  
CGCGCCGCTAGTGCCTAATATCAGAAGCCAACCAAGTCGCCCTGGCCGCCAAGGCTGGTGGCTAGAGC  
GGCCCGTCCAGCTCGCCTCCTCCGGATAGAGCGTCGCTTCCGCTCAGAGCCGCGTGTGACCTTCCCGCT  
TGCGGAGCTATGCTGCCGGCGGCGGCGGCGGCTAGCCGCTGTGGGGCCGCGGCTTGGAATCGGGG  
GATCAGCGCTCCGCTTGTGAGCAACAGATGCCCGGTGTCTGTGTGGCGCGCAATTGAGAAGCAGCAG  
CCACCGAAGGAGTGAAGCACTCGCCGGTGACCCCTGGATAATGCTCCCAAGGAGTATCCCCCAAGATC  
CAGCAGCTGGTCCAAGACATTGCCAGTCTTACGCTCCTGGAGATCTCAGACCTCAATGAACCTCCTGAAGA  
AAACATTGAAGATCCAGGATGTCGGCCTTATGCCAATGGGTGGCATGGTGCCTGGTGCCTGCCCTGCTGC  
AGCACCAGCCCTGAGGCGGCCGAGGAAGAAGACCTCCCTAAGCAGAAAGAGCAGACACACTTCACGGTG  
CGCCTGACGGAAGCGAAGCCTGTGGACAAAGTGAAGCTGATCAAGGAGATCAAGAAGTACGTTACAGGCA  
TAAACCTTGTGAGGCCAAGAAGCTGGTGGAGTCCCTGCCCCAGGAAATCAAAGCTAACGTCGCCAAAGC  
TGAGGCAGAGAAGATCAAGGCAGCCTTGAGGCAGTGGTGGCACTGTGGTCTGGAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM\_001029900

Insert Size: 831 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>                | <u>NM_001029900.1, NP_001025071.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq Size:</b>           | 1563 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq ORF:</b>            | 831 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Locus ID:</b>              | 303746                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Cytogenetics:</b>          | 10q32.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Summary:</b>          | a mitochondrial ribosomal protein [RGD, Feb 2006]                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |