

## Product datasheet for **MG201683**

### Mrpl4 (NM\_023167) Mouse Tagged ORF Clone

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                         |
| Product Name:             | Mrpl4 (NM_023167) Mouse Tagged ORF Clone                                    |
| Tag:                      | TurboGFP                                                                    |
| Symbol:                   | Mrpl4                                                                       |
| Synonyms:                 | 1110017G11Rik                                                               |
| Mammalian Cell Selection: | Neomycin                                                                    |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                                     |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                      |
| ORF Nucleotide Sequence:  | >MG201683 representing NM_023167<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGCGGTTGTTCCAGGCCGCTTCCCGGGCCTCGCTTCGACTCTCTGGCTCCCGGGTCATCCACTCTC  
TAGCGGAAGGCGCGGAGCGGCCGCGAGATTTAGAGCCGCGAGATAGCGCTGGTCTCCTAGATCCTGT  
TTTGCGCAAGTGTGAGCTCCGGATCCAGTGCACCGCGTCCGGTCAAGCCTGGGTCGAGTCTCTCCGA  
GGCTTTGAGCAGGAGCGCATCGGCCTGGCGGAGCTGCACCCGACGTGTTTGAACGGCGCCTCGGCTGG  
ACATTGTGCACCAAGTCGCCATCTGGCAGAGGAATTCAGGAGAATCAGCTATGCTAACACCAAGACCAG  
GGCTGAGGTGAGTGGTGGCCGCAAGCCCTGGCAACAGAAAGGCAAGTGGCCGTGCTCGGCATGGCAGC  
ATCCGTTCTCCCTTATGGCGAGGAGGAGGTGTAGCCCATGGTCCCGGGGTCTACAAGTTACTACTACA  
TGTTGCCCATGAAAGTGCGGGCACTGGGCCTCAAGGTGGCCTTGACTGTCAAGCTCATGCAGGATGATCT  
ACACATTGTGGATTCCCTGGAGCTACCCACGGCAGACCCCAAGTACCTGACAGAGTTGGCCCAAGTACCGC  
CACTGGGGGAGTTCCGTGCTCCTGTAGACTTAACACATGAAGAGATGCCAAGAATGTCGTGGCAGCCA  
CTTCAGGGCTCAACAGTTTCAACCTGATCCCGCAGTTGGCCTGAATGTGTACAGCATGCTCAAGCACCA  
GACTCTGGTCCTCACCTGCCTTCCGTGCCTTCTGGAGGACAAGCTACTCTGGCAGGACTCAAGATAC  
ACTCCGCTCTACCCCTTCCGCTTGCCCTACAGTGACTTCCCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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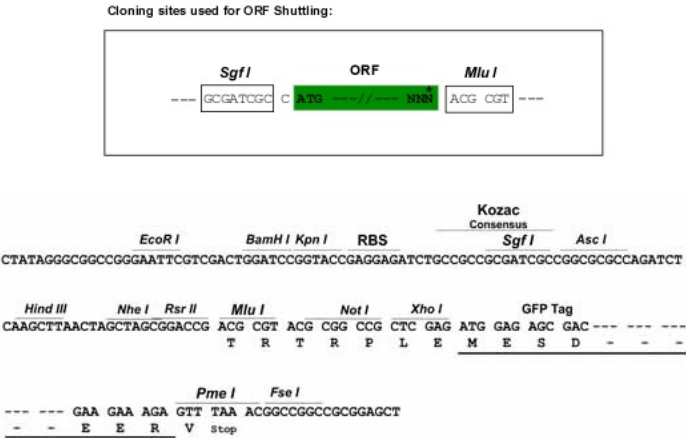
**Protein Sequence:** >MG201683 representing NM\_023167  
 Red=Cloning site Green=Tags(s)

MLRLFQAASRASRLSGSRVHSLAEGAERPAEISEPRDSAGLLDPVLRKCELRIPVHRRPVQAWVESLR  
 GFEQERIGLAELHPDVFATAPRLDIVHQVAIWQRNFRRI SYANTKTRAEVSGGGRKPWQKGSGRARHGS  
 IRSPLWRGGGVAHGPRGPTSYYYMLPMKVRLGLKVALTVKLMQDDLHIVDSLELPTADPQYLTELAQYR  
 HWGSSVLLVDLTHEEMPKNVVAATSGLSNLFNLIPAVGLNVYSMLKHQTLVLTLPVAFLEDKLLWQDSRY  
 TPLYPFRLPYSDFP

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_023167

**ORF Size:** 882 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_023167.2](#), [NP\\_075656.2](#)

**RefSeq Size:** 1312 bp

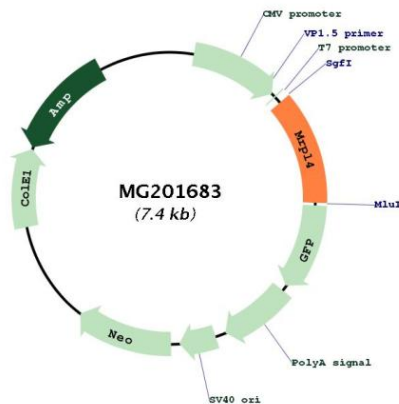
**RefSeq ORF:** 885 bp

**Locus ID:** 66163

**UniProt ID:** [Q9DCU6](#)

**Cytogenetics:** 9 A3

## Product images:



Circular map for MG201683