

Product datasheet for **MG206633**

Rpl4 (NM_024212) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rpl4 (NM_024212) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rpl4
Synonyms: 2010004J23Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206633 representing NM_024212
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCTTGTGCCGTCCCTCATATCGGTGTAAGGAGAGTCACTGGCAAGAATGTCACTT
 TGCCAGCTGTGTTCAAAGCTCCATTTCGACCAGATATTGTGAACCTCGTTCACACCAACTGAGGAAAA
 CAACAGACAGCCCTATGCCGTGAGTGAATTGGCAGGTATCAGACCAGTGTGAGTCTTGGGGTACTGGC
 AGAGCTGTGGCTCGAATCCAAGAGTTCGAGGTGGTGGGACCCACCGATCTGGCCAGGGTGCCTTTGGAA
 ATATGTGTCGTGGGGACGCATGTTTGACCAACCAAACTGGCGTCGTTGGCACCGCAGAGTGAATAC
 AACCAAAAACGATATGCCATCTGTTTCGCCCTGGCTGCCTCGGCCTTACCAGCTTTGGTGTGCTAAA
 GGTTCATCGTATTGAGGAGTTCCTGAGCTGCCGCTGGTGGTTGAAGATAAGGTTGAAGTTACAAGAAGA
 CCAAGGAGGCTGTTTCAGCTGCTCAAGAACTCAAAGCTTGAATGACATCAAAAAGGTTCTATGCCTCTCA
 GAGAATGAGAGCTGGCAAGGGCAAAATGAGAAACCGACGGCGGATCCAGCGCAGGGGGCCCTGCATCATC
 TATAATGAAGATAATGGTATCATCAAGGCCTCCGCAACATCCCTGGTATTACTCTGCTTAATGTAAGCA
 AGCTGAACATTTGAACTGGCTCCTGGTGGCATGTGGGCCGTTTCTGCATCTGGACGGAGAGTGTCTT
 CCGGAAGTTGGATGAGCTGTATGGCACTTGGCGGAAGGCTGCTCCCTCAAGAGTAACTATAACCTGCC
 ATGCACAAGATGATGAACACCGACCTTAGCAGAATCTTGAAAAGCCAGAAATCCAAAGAGCCCTCCGAG
 CACCACGCAAGAAGATTCATCGCAGAGTCTTGAAGAAGAATCCACTGAAGAACCTGAGAATCATGTTGAA
 GCTGAACCCTTACGCCAAGACTATGCGCAGGAATACCATTCTTCGCCAGGCCAGAAATCACAAACTTCGT
 GTGAAAAAGCTGGAAGCAGCAGCTACTGCACTGGCAACCAATCCGAGAAGGTTGTTCCAGAGAAGGGGA
 CTGCAGACAAGAAGCCAGCGGTAGGCAAGAAAGGAAAGGTTGGATGCCAAGAAGCAGAAGCCTGCAGG
 GAAAAAGTGGTTGCCAAGAAACAGCAGAGAAGAAGCCTACTACAGAAGAAAAGAAGCCAGCTGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206633 representing NM_024212
Red=Cloning site Green=Tags(s)

```
MACARPLISVYSEKGESSGKNVTLPAVFKAPIRPDIVNFVHTNLRKNNRQPYAVSELAGHQTSAESWGTG
RAVARIPRVRRGGGTHRSQGAFGNMCRGGRMFAPTKTWRRWRRVNTTQKRYAICSAALPALVMSK
GHRIEEVPELPLVVEDKVEGYKKTKEAVQLLKKLKAWNDIKKVYASQRMKAGKGMNRNRRRIQRRGPCI
IYNEDNGI IKAFRNIPGITLLNVSKLNILKLAPGGHVGRFCIWTESAFRKLDELGYGTRWKAASLKSNNYLP
MHKMMNTDL SRILKSPEIQRALRAPRKKIHRRVLKKNPLKNLRIMLKLNPYAKTMRRNTILRQARNHKL
R VKKLEAAATALATKSEKVVPEKGTADKKPAVGKKGKKVDKQKPAKGVVAKKPAEKKPTTEKKPAA
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024212

ORF Size: 1257 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.

RefSeq: [NM_024212.4](#), [NP_077174.1](#)

RefSeq Size: 1422 bp

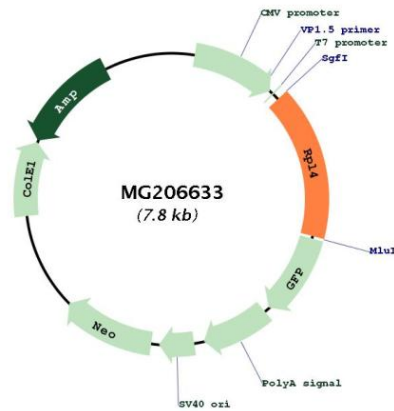
RefSeq ORF: 1260 bp

Locus ID: 67891

UniProt ID: [Q9D8E6](#)

Cytogenetics: 9 C

Product images:



Circular map for MG206633