

## Product datasheet for **MG216251**

### Rpf1 (NM\_027332) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rpf1 (NM_027332) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rpf1
Synonyms:	2210420E24Rik; 2310066N05Rik; Bxdc5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG216251 representing NM_027332 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGAAGGCCGCGAGAAAAGTGTGGTGGCGGCAAGCGAGGCTTGAAGAGGAAAGCTGCCGCTGAAG  
AGCCTCAAGAGGCTGCGGCCGCGAGCGATGGGACGGCGGAGCGGGGTGCAGCCCGGAAAGCGGCCGC  
CTTCCCCCGGGCTTCAGTATCTCGGAGATTAAGAACAAGCAGCGCGGACACTTGATGTTACGCGGTGG  
AAACAGCAGCAGCGGAAGGAAAAGTTGGCAGCTAAGAAAAAATTAAGGAGAGAGAGGCTCTTGCCG  
ATAAGGCTCCACAAAGCCTGTTCCAAGACCATTGACAACCAGCGCTTACGACGAGACCACAGTAGA  
CCCAATGATGAAGAGGTGGCTTACGATGAAGCGACGGATGAATTTGCTTCTACTTCAACAGACAGACG  
TCTCCTAAGATTCTTATCACAACGTCAGATAGACCTCATGGGAGAACAGTTTCGACTCTGTGAGCAGCTCT  
CAACAGTTATACCAGATTCACATGTTTATTACAGACGAGGACTGGCTCTGAAAAAATTATCCCACAGTG  
CATTGCAAGAGATTTACAGACCTGATCGTTATTAATGAAGATCGTAAAAACCGAGTATCCTTTGGATT  
TCATT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG216251 representing NM\_027332  
Red=Cloning site Green=Tags(s)

MAKAGEKSVGGGKRGLKRKAAAEEPQEAASDGTAE SGVQPAKAAAFPPGFSISEIKNQRRLMFTRW  
 KQQQRKEKLAAKKKLKKEREALGDKAPPKVPVKTIDNQRVYDETTVDPNDEEVAYDEATDEFASYFNRT  
 SPKILITTSDRPHGRTVRLCEQLSTVIPDSHVYRRLALKKIIPQCIARDFDLIVINEDRKTSPILWV  
 SF

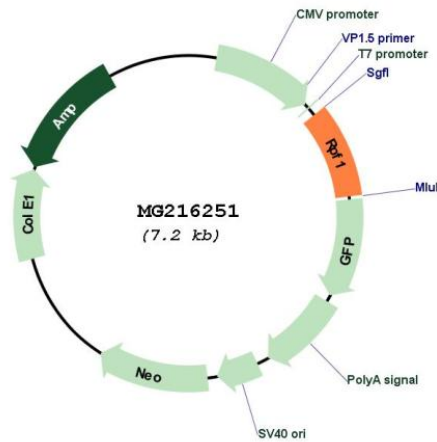
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_027332

**ORF Size:** 636 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_027332.3</a> , <a href="#">NP_081608.1</a>
<b>RefSeq Size:</b>	1990 bp
<b>RefSeq ORF:</b>	639 bp
<b>Locus ID:</b>	70285
<b>UniProt ID:</b>	<a href="#">Q7TND5</a>
<b>Cytogenetics:</b>	3 H2
<b>Gene Summary:</b>	May be required for ribosome biogenesis.[UniProtKB/Swiss-Prot Function]