

## Product datasheet for **MG203854**

### Rpf1 (NM\_027371) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rpf1 (NM\_027371) 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:** >MG203854 representing NM\_027371  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTACGCGGTGAAACAGCAGCAGCGGAAGGAAAAGTTGGCAGCTAAGAAAACTTAAAAAGGAGA  
 GAGAGGCTCTGGCGATAAAGCTCCACCAAGCCTGTTCCCAAGACCATTGACAACCAGCGGTTTACGA  
 CGAGACCACAGTAGACCCAATGATGAAGAGGTGGCTTACGATGAAGCGACGGATGAATTTGCTTCTTAC  
 TTCAACAGACAGACGTCTCCTAAGATTCTATCACAACGTCAGATAGACCTCATGGGAGAACAGTTCGAC  
 TCTGTGAGCAGCTCTCAACAGTTATACCAGATTCACATGTTTATTACAGACGAGGACTGGCTCTGAAAA  
 AATTATCCACAGTGCATTGCAAGAGATTTACAGACCTGATCGTTAATGAAGATCGTAAAACACCG  
 AATGGACTTATTTGAGTCATTTGCCAAACGGTCCAACCGCTCATTTTAAATGAGCAGTGTTCGTCTTC  
 GTAAAGAAATTAAGCGAAGAGGCAAAGACCCACAGAACATGTACCTGAGATAATTCTGAATAATTTTAC  
 CACACGGCTAGGCCATTCTATTGGACGCATGTTTGCTTCTCTTTCTCATAATCTCAATTTATTGGA  
 AGACAAGTTGCCACGTTCCACAATCAGCGAGATTACATCTTCTCAGGTTTCACAGATACATTTCAAGA  
 GTGAGAAGAAAGTGGGAATTCAGGAACCTCGACCACGTTTTACCTTAAATACGATCTCTTCAGAAGGG  
 CACTTTTGATTCTAAATATGGAGAGTACGAATGGGTCCACAAGCCACGGGAAATGGATACAAGTCGAAGG  
 AAATTCACCTTA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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Protein Sequence: >MG203854 representing NM\_027371  
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MFTRWKQQRKEKLAAKKKLKKEREALGDKAPPKVPVKTIDNQRYVDETTVDPNDEEVAYDEATDEFASY  
 FNRQTSPKILITTSRPHGRTVRLCEQLSTVIPDSHVYRRLALKKIIPQCIARDFDLIVINEDRKTP  
 NGLILSHLPNGPTAHFKMSSVRLRKEIKRRGKDPTEHVPEIILNNFTTRLGHSIGRMFASLFPHPNQFIG  
 RQVATFHNQRDYIFFRFHRYIFKSEKVGIQELGPRFTLKLRLSLQKGTFSKYGEYEWVHKPREMDTSRR  
 KFHL

TRTRPLE - GFP Tag - V

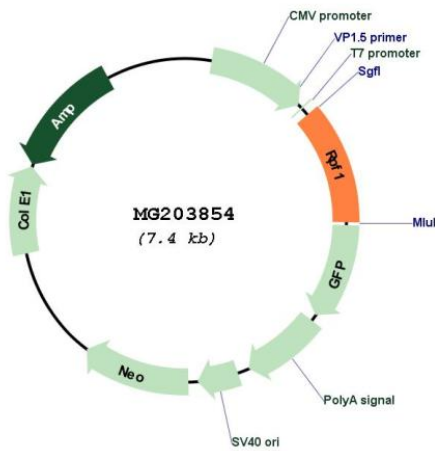
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM\_027371

ORF Size: 852 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_027371.1</a> , <a href="#">NP_081647.1</a>
<b>RefSeq Size:</b>	1190 bp
<b>RefSeq ORF:</b>	1050 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]