

## Product datasheet for **MG203477**

### Rps4x (BC106152) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rps4x (BC106152) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rps4x
Synonyms:	Rps4; Rps4-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203477 representing BC106152 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCGTGGTCCCAAGAAACACCTGAAGCGTGTAGCTGCTCCAAAACATTGGATGCTGGATAAGTTGA  
CTGGCGTGTGGTCTCTCGTCCATCCACTGGTCTCACAAAGCTGAGGGAATGCCTGCCTCATCATTTT  
CCTAAGGAACAGACTTAAGTATGCCCTGACTGGAGATGAAGTAAAAAGATTTGCATGCAGCGATTCA  
AAGATTGATGGGAAAGTCAGGACCGATATAACCTACCCTGCTGGGTTTATGGATGTCATCAGCATTGACA  
AGACCGGAGAGAACTTCCGTCTGATCTATGACACCAAGGGTCGTTTGTGTTTCATCGTATTACACCGGA  
GGAGGCCAAGTACAAGTTGTGCAAAGTGAGAAAGATCTTTGTAGGCACAAAAGGAATCCCGCACCTGGT  
ACCCATGATGCTCGTACTATTCCGTACCCTGATCCCCTCATCAAGGTGAACGACACCATTAGATTGATT  
TGGAGACAGGCAAAATAACTGACTTCATCAAGTTTGAAGTGGGAACTGTGTATGGTACTGGAGGTGC  
TAAGTGGGAAGAATTGGTGTAAATCACCAACAGAGAGAGACATCCCGCTCTTTTGTATGGTTCATGTG  
AAAGATGCCAATGGCAACAGCTTTGCCACTCGGCTGTCCAACATTTTGTATTGGCAAGGGTAACAAAC  
CATGGATCTCTTCCCAGAGGAAAAGGAATCCGCCTCACCATTGCTGAAGAGAGAGACAAGAGGCTTGC  
GCCAAACAGAGCAGTGGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203477 representing BC106152  
Red=Cloning site Green=Tags(s)

MARGPKKHLKRVAAPKHWMLDKLTGVFAPRPSTGPHKLRECLPLIIFLRNRLKYALTGDDEVKIKCMQRFI  
 KIDGKVRTDITYPAGFMDVISIDKTGENFRLIYDTKGRFAVHRI TPEEAKYKLCVKRKIFVGTGKIPHLV  
 THDARTIRYPDPLIKVNDTIQIDLETGKITDFIKFDTGNLCMVTGGANLGRIGVITNRRERHPGSGFDVVHV  
 KDANGNSFATRLSNIFVIGKGNKPWISLPRGKGIRLTIAEERDKRLAAKQSSG

TRTRPLE - GFP Tag - V

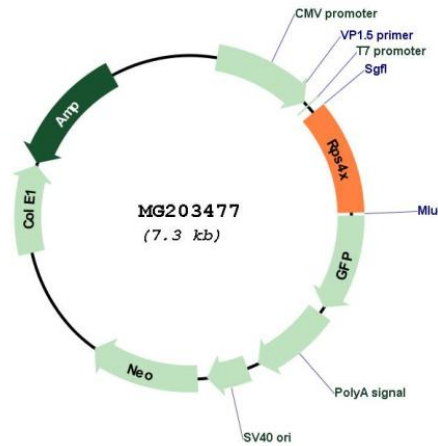
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** BC106152

**ORF Size:** 791 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="#">BC106152</a> , <a href="#">AAI06153</a>
<b>RefSeq Size:</b>	917 bp
<b>RefSeq ORF:</b>	791 bp
<b>Locus ID:</b>	20102
<b>Cytogenetics:</b>	X 45.2 cM