

## Product datasheet for **RG222318**

### **RPS4Y2 (NM\_001039567) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RPS4Y2 (NM_001039567) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RPS4Y2
Synonyms:	RPS4Y2P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG222318 representing NM_001039567 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCGGGCCCAAGAAGCACTTGAAGCGTGTTCAGCGCCGAAGCATTGGATGCTGGATAAACTAA  
CTGGTGTATTTGCACCTCGTCCATCGACAGGTCTCACAAGCTGAGGGAATGTCTCCCTGATAGTCTT  
CCTCAGGAATAGACTCAAGTATGCATTGACTGGAGATGAGGTAAGAAGATATGTATGCAACACTTCCTC  
AAAATTGATGGCAAGGTTTCGAGTGGACATCACATACCTGCTGGATTCATAGATGTCATCAGCATTGAGA  
AAACAGGTGAGCATTTCGCCTGGTCTATAATACCAAGGCTGTTTTGCTGTTTCATCGTATCACAGTGGA  
AGAGGCAAAGTACAAGTTGTGCAAAGTGAGGAAGATTACTGTGGGGACAAGGGAATCCACACCTGGTG  
ACTCATGATGCTCGAACCATTCGCTACCCAGATCCTCTCATCAAGGTGAACGATACTGTGCAGATTGATT  
TAGGGACTGGGAAGATAACCAGCTTTATCAAATTTGACACAGGCAATGTATGTATGGTATTGCTGGAGC  
TAACCTCGGTCGTGTTGGTGTGATCACAAACAGGGAAAGACATCCTGGTTCTTGCATGTGGTACATGTG  
AAGGATGCCAACGGCAACAGCTTTGCCACAAGGATTTCCAACATTTTGTTCATTGGCAATGGTAATAAC  
CTTGGATTTCCCTGCCAGGGGAAAGGGCATCCGACTTACTATTGCTGAAGAGAGAGACAAGAGGCTGCC  
TGCCAAACAGAGCAGTGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG222318 representing NM\_001039567  
Red=Cloning site Green=Tags(s)

MARGPKKHLKRVAAPKHWMLDKLTGVFAPRPSTGPHKLRECLPLIVFLRNRLKYALTGDEVKIKCMQHFL  
 KIDGKVRVDITYPAGFIDVISIEKTGEHFRLVYNTKGCFAVHRITVEEAKYKLCVKVRKITVGTGKIPHLV  
 THDARTIRYPDPLIKVNDTVQIDLGTGKITSFIKFDGTGNVCMVIAGANLGRVGVITNRRERHPGSCDVVHV  
 KDANGNSFATRISNIFVIGNGNKPWISLPRGKGIRLTIAEERDKRLAAKQSSG

TRTRPLE - GFP Tag - V

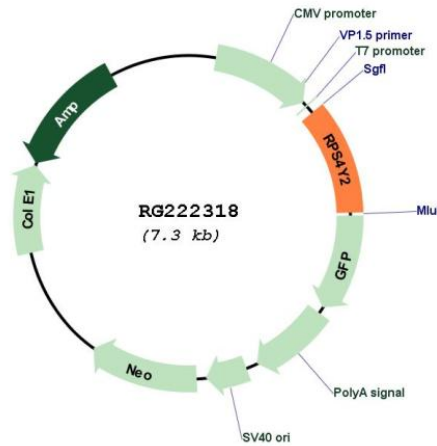
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001039567

**ORF Size:** 789 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_001039567.3</a>
<b>RefSeq Size:</b>	792 bp
<b>RefSeq ORF:</b>	792 bp
<b>Locus ID:</b>	140032
<b>UniProt ID:</b>	<a href="#">Q8TD47</a>
<b>Cytogenetics:</b>	Yq11.223
<b>Gene Summary:</b>	The protein encoded by this gene is a ribosomal protein that is highly similar to RPS4Y1. This gene is located in the male-specific region of the Y chromosome. [provided by RefSeq, Aug 2012]