

## Product datasheet for **RG217987**

### **RPL3 (NM\_001033853) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RPL3 (NM_001033853) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RPL3
Synonyms:	ASC-1; L3; TARBP-B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217987 representing NM_001033853 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTCACAGAAAGTTCTCCGCTCCCAGACATGGGTCCCTCGGCTTCTGCCTCGGAAGCGCAGCAGCA  
GGCATCGTGGGAAGGTGAAGAGCTTCCCTAAGGATGACCCGTCCAAGCCGGTCCACCTCACAGCCTTCT  
GGGATACAAGGCTGGCATGACTCACATCGTGCGGGAAGTCGACAGGCCGGGATCCAAGGTGAACAAGAAG  
GAGGTGGTGGAGGCTGTGACCATTGTAGAGACACCACCCATGGTGGTGTGGGCATTGTGGGCTACGTGG  
AAACCCCTCGAGGCTCCGGACCTCAAGACTGTCTTTGCTGAGCACATCAGTGATGAATGCAAGAGGCG  
TTTCTATAAGAATTGGCATAAATCTAAGAAGAAGGCCACCTGATGGAGATCCAGGTGAACGGAGGCACT  
GTGGCCGAGAAGCTGGACTGGGCCCGCAGAGGCTTGAGCAGCAGGTACCTGTGAACCAAGTGTTTGGGC  
AGGATGAGATGATCGACGTCATCGGGGTGACCAAGGGCAAAGGCTACAAAGGGGTCAACGTCGTTGGCA  
CACCAAGAAGCTGCCCGCAAGACCCACCGAGGCTGCGCAAGGTGGCCTGTATTGGGCGATGGCATCCT  
GCTCGTAGCCTTCTCTGTGGCAGCGCTGGGCAGAAAGGCTACCATCACCGCACTGAGATCAACAAGA  
AGATTTATAAGATTGGCCAGGGCTACCTTATCAAGGACGGCAAGCTGATCAAGAACAATGCCTCCACTGA  
CTATGACCTATCTGACAAGAGCATCAACCTCTGGGTGGCTTTGTCCACTATGGTGAAGTGACCAATGAC  
TTTGTCTGCTGAAAGGCTGTGTGGTGGGAACCAAGAAGCGGGTGCTCACCTCCGCAAGTCCTTGCTGG  
TGCAGACGAAGCGCGGGCTCTGGAGAAGATTGACCTTAAGTTCAATTGACACCACCTCCAAGTTTGCCCA  
TGGCCGCTTCCAGACCATGGAGGAGAAGAAAGCATTTCATGGGACCACTGAAGAAAGACCGAATTGCAAAAG  
GAAGAAGGAGCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG217987 representing NM\_001033853  
 Red=Cloning site Green=Tags(s)

MSHRKFSAPRHGSLGFLPRKRSSRHGKVKVSFPKDDPSKPVHLTAFLGYKAGMTHIVREVDRPGSKVNKK  
 EVVEAVTIVETPPMVVVGIVGYVETPRGLRTFKTVFAEHSDECKRRFYKNWHKSKKKAHLMEIQVNGGT  
 VAEKLDWARERLEQQVPVNVQVFGQDEMIDVIGVTKGKGYKGVTSRWHTKKLPRKTHRGLRKYVACIGAWHP  
 ARVAFSVARAGQKGYHHRTEINKKIYKIGQGYLIKDGKLIKNNASTDYDLSDKSINPLGGFVHYGEVTND  
 FVMLKGCVVGTKKRVLTLRKSLLVQTKRRALEKIDLKFIDTTSKFGHGRFQTMEEKKAFMGPLKKDRIAK  
 EEGA

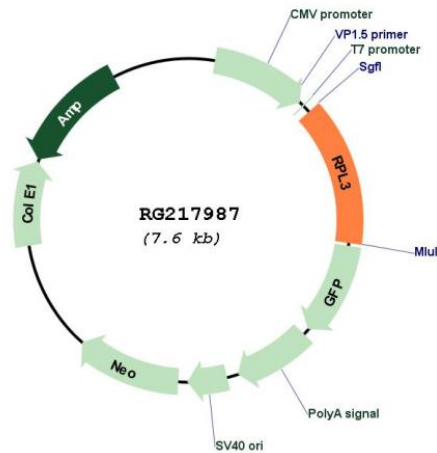
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001033853

<b>ORF Size:</b>	1062 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_001033853.2</a>
<b>RefSeq Size:</b>	1201 bp
<b>RefSeq ORF:</b>	1065 bp
<b>Locus ID:</b>	6122
<b>Cytogenetics:</b>	22q13.1
<b>Protein Pathways:</b>	Ribosome
<b>Gene Summary:</b>	Ribosomes, the complexes that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L3P family of ribosomal proteins and it is located in the cytoplasm. The protein can bind to the HIV-1 TAR mRNA, and it has been suggested that the protein contributes to tat-mediated transactivation. This gene is co-transcribed with several small nucleolar RNA genes, which are located in several of this gene's introns. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008]