

Product datasheet for **RG214015**

RPL6 (NM_000970) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL6 (NM_000970) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RPL6
Synonyms:	L6; SHUJUN-2; TAXREB107; TXREB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214015 representing NM_000970 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGTGAAAAAGTTGAGAAGCCAGATACTAAAGAGAAGAAACCCGAAGCCAAGAAGGTTGATGCTG
GTGGCAAGGTGAAAAAGGTAACCTCAAAGCTAAAAGCCCAAGAAGGGGAAGCCCCATTGCAGCCGCAA
CCCTGTCCTTGTGAGAGGAATTGGCAGGTATCCCGATCTGCCATGTATTCCAGAAAGGCCATGTACAAG
AGGAAGTACTCAGCCGCTAAATCCAAGGTTGAAAAGAAAAGAAGGAGAAGGTTCTCGAACTGTTACAA
AACCAGTTGGTGGTGACAAGAACGGCGGTACCCGGGTGGTTAACTTCGCAAAATGCCTAGATATTATCC
TACTGAAGATGTGCCTCGAAAGCTGTTGAGCCACGGCAAAAAACCTTCAGTCAGCACGTGAGAAAAGT
CGAGCCAGCATTACCCCGGGACATTCTGATCATCCTCACTGGACGCCACAGGGCAAGAGGGTGGTTT
TCCTGAAGCAGCTGGCTAGTGGCTTATTACTTGTGACTGGACCTCTGGTCTCAATCGAGTTCCTCTACG
AAGAACACACCAGAAATTTGTCATTGCCACTTCAACAAAATCGATATCAGCAATGTAAAAATCCAAAA
CATCTTACTGATGCTTACTTCAAGAAGAAGAAGCTGCGGAAGCCAGACACCAGGAAGGTGAGATCTTCG
ACACAGAAAAAGAGAAATATGAGATTACGGAGCAGCGCAAGATTGATCAGAAAGCTGTGGACTCACAAAT
TTTACCAAAAATCAAAGCTATTCCTCAGCTCCAGGGCTACCTGCGATCTGTGTTTGTCTGACGAATGGA
ATTTATCTCACAAATTGGTGTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG214015 representing NM_000970
 Red=Cloning site Green=Tags(s)

MAGEKVEKPDTKKPKPEAKKVDAGGKVKKGNLAKKPKKPKPHCSRNPVLRVIGRYSRSAMYSRKAMYK
 RKYSAASKVEKKKKEKVLATVTKPVGGDKNGGTRVVKLRKMPRYPTEDVPRKLLSHGKKPFSQHVRLK
 RASITPGTILIIILTGRHRGKRIVFLKQLASGLLLVTGPLVLRVPLRRTHQKFVIATSTKIDISNVKIPK
 HLTDAYFKKKLKRPRHQEGEIFDTEKEKYEITEQRKIDQKAVDSQILPKIKAIPQLQGYLRSVFALTNG
 IYPHKLVF

TRTRPLE - GFP Tag - V

Restriction Sites:

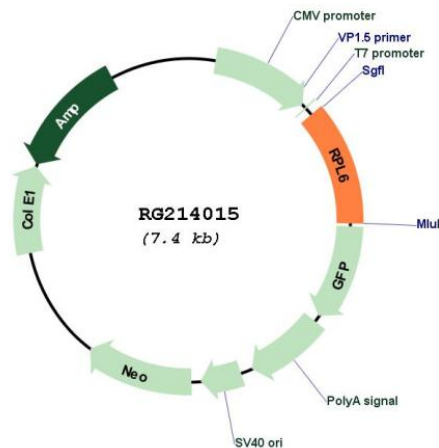
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_000970

ORF Size: 864 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	NM_000970.5
RefSeq Size:	972 bp
RefSeq ORF:	867 bp
Locus ID:	6128
UniProt ID:	Q02878
Cytogenetics:	12q24.13
Domains:	Ribosomal_L6e, Ribosomal_L6e_N
Protein Families:	Transcription Factors
Protein Pathways:	Ribosome
Gene Summary:	This gene encodes a protein component of the 60S ribosomal subunit. This protein can bind specifically to domain C of the tax-responsive enhancer element of human T-cell leukemia virus type 1, and may participate in tax-mediated transactivation of transcription. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed throughout the genome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]