

Product datasheet for **RG231984**

RPL10 (NM_001256580) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPL10 (NM_001256580) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RPL10
Synonyms: AUTSX5; DXS648; DXS648E; L10; MRXS35; NOV; QM
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231984 representing NM_001256580
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCGCCGCCCGCCGTTGTTACCGGTATTGTAAGAACAAGCCGTACCCAAAGTCTCGTTCTGCC
 GAGGTGTCCCTGCCCTGGAGGCTGCCCGAATTTGTCCAATAAGTACATGGTAAAAAGTTGTGGCAAAGA
 TGGCTTCCATATCCGGGTGCGGCTCCACCCCTCCACGTCATCCGCATCAACAAGATGTTGTCCTGTGCT
 GGGGCTGACAGGCTCAAACAGGCATGCGAGGTGCCTTTGGAAAGCCCCAGGGCACTGTGGCCAGGGTTC
 ACATTGGCCAAGTTATCATGTCCATCCGCACCAAGCTGCAGAACAAGGAGCATGTGATTGAGGCCCTGCG
 CAGGGCCAAGTTCAAGTTTCTTGCCGCCAGAAGATCCACATCTCAAAGAAGTGGGGCTTACCAAGTTC
 AATGCTGATGAATTTGAAGACATGGTGGCTGAAAAGCGGCTCATCCAGATGGCTGTGGGTCAAGTACA
 TCCCAATCGTGGCCCTCTGGACAAGTGGCGGGCCCTGCACCTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231984 representing NM_001256580
 Red=Cloning site Green=Tags(s)

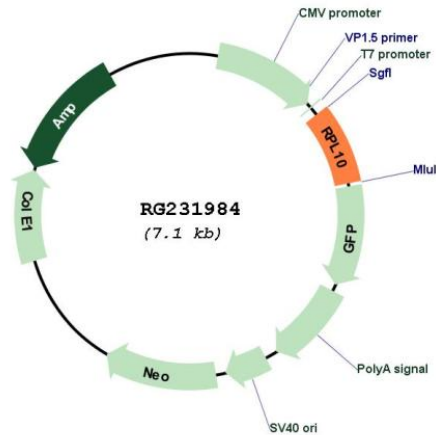
MGRRPARCYRYCKNKPYPKSRFCRGVPALEAARICANKYMKSCGKDGFIHVRVRLHPFHVIRINKMLSCA
 GADRLQTGMRGAFGKPPQGTVARVHIGQVIMSIRTKLQNKHEVIEALRRAKFKFPGRQKIHISKWGFTEK
 NADEFEDMVAEKRLIPDGGCVKYIPNRGPLDKWRALHS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001256580

ORF Size: 534 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:	<u>NM_001256580.1</u> , <u>NP_001243509.1</u>
RefSeq Size:	2227 bp
RefSeq ORF:	537 bp
Locus ID:	6134
UniProt ID:	<u>P27635</u>
Cytogenetics:	Xq28
Protein Families:	Druggable Genome
Protein Pathways:	Ribosome
Gene Summary:	This gene encodes a ribosomal protein that is a component of the 60S ribosome subunit. The related protein in chicken can bind to c-Jun and can repress c-Jun-mediated transcriptional activation. Some studies have detected an association between variation in this gene and autism spectrum disorders, though others do not detect this relationship. There are multiple pseudogenes of this gene dispersed throughout the genome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]