

## Product datasheet for **RC231984**

### RPL10 (NM\_001256580) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RPL10 (NM\_001256580) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** RPL10  
**Synonyms:** AUTSX5; DXS648; DXS648E; L10; MRXS35; NOV; QM  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC231984 representing NM\_001256580  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCCCGCCCGCCGTTGTTACCGGATTGTAAGAACAAGCCGTACCCAAAGTCTCGTTCTGCC  
GAGGTGTCCTGCCCTGGAGGCTGCCGAATTTGTCCAATAAGTACATGGTAAAAAGTTGTGGCAAAGA  
TGGCTTCATATCCGGGTGCGGCTCCACCCTTCCACGTCATCCGCATCAACAAGATGTTGTCCTGTGCT  
GGGGCTGACAGGCTCAAACAGGCATGCGAGGTGCCTTTGGAAAGCCCCAGGGCACTGTGCCAGGGTTC  
ACATTGGCCAAGTTATCATGTCCATCCGCACCAAGCTGCAGAACAAGGAGCATGTGATTGAGGCCCTGCG  
CAGGGCCAAGTTCAAGTTTCTGGCCGCCAGAAGATCCACATCTCAAAGAAGTGGGGCTTACCAAGTTC  
AATGCTGATGAATTTGAAGACATGGTGGCTGAAAAGCGGCTCATCCCAGATGGCTGTGGGGTCAAGTACA  
TCCCAATCGTGGCCCTCTGGACAAGTGGCGGGCCCTGCACTCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC231984 representing NM\_001256580  
Red=Cloning site Green=Tags(s)

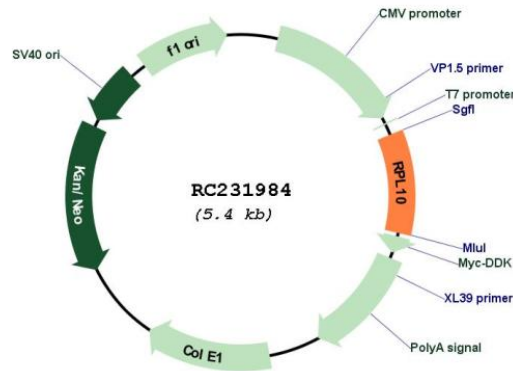
MGRRPARCYRYCKNKPYPKSRFCRGVPALEAARICANKYMKSCGKDGFIHVRVLPFHVIRINKMLSCA  
GADRLQTGMRGAFGKPGQTVARVHIGQVIMSIRTKLQNKHEVIEALRRAKFKFPGRQKIHSKKWGFTKF  
NADEFEDMVAEKRLIPDGCGVKYIPNRGPLDKWRALHS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-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.

<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_001256580.1</a> , <a href="#">NP_001243509.1</a>
<b>RefSeq Size:</b>	2227 bp
<b>RefSeq ORF:</b>	537 bp
<b>Locus ID:</b>	6134
<b>UniProt ID:</b>	<a href="#">P27635</a>
<b>Cytogenetics:</b>	Xq28
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Ribosome
<b>MW:</b>	20.9 kDa
<b>Gene Summary:</b>	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]