

## Product datasheet for **SC333549**

### RPL36A (NM\_001199972) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | RPL36A (NM_001199972) Human Untagged Clone   |
| Tag:                      | Tag Free   |
| Symbol:                   | RPL36A   |
| Synonyms:                 | L36A; L44L; MIG6; RPL44  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| Fully Sequenced ORF:      | >SC333549 representing NM_001199972.<br>Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**  
 ATGATTGCTCCTACCGACTCCCATGAGGAAGTGCATCGGGAACCTCCTATATACTTCCGTTTGCCTCG  
 CGGTTTCTTTCTTCCGCGCCGATAGCGCTCACGCAAGCATGGTTAACGTCCTAAAACCCGCGGACT  
 TTCTGTAAGAAGTGTGGCAAGCACCAACCCATAAAGTGACACAGTACAAGAAGGCAAGGATTCTCTG  
 TACGCCAGGGAAAGCGCGTTATGACAGGAAGCAGAGTGGCTATGGTGGGCAAACTAAGCCGATTTTC  
 CGGAAAAAGGTGAGTGGTAGTTACTATTTGACGTTTCCAGT**TAA**  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

|                    |  |
|--------------------|--|
| Restriction Sites: | SgfI-MluI  |
| ACCN:              | NM_001199972   |
| Insert Size:       | 321 bp   |
| OTI Disclaimer:    | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| 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).   |


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**Reconstitution Method:**

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\\_001199972.1](#)

**RefSeq Size:** 2361 bp

**RefSeq ORF:** 321 bp

**Locus ID:** 6173

**Cytogenetics:** Xq22.1

**Protein Pathways:** Ribosome

**MW:** 12.1 kDa

**Gene Summary:** Cytoplasmic ribosomes, organelles 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, which shares sequence similarity with yeast ribosomal protein L44, belongs to the L44E (L36AE) family of ribosomal proteins. Although this gene has been referred to as ribosomal protein L44 (RPL44), its official name is ribosomal protein L36a (RPL36A). This gene and the human gene officially named ribosomal protein L36a-like (RPL36AL) encode nearly identical proteins; however, they are distinct genes. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Naturally occurring read-through transcription occurs between this locus and the heterogeneous nuclear ribonucleoprotein H2 (H') gene. [provided by RefSeq, Jan 2011]

Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (b) has a distinct C-terminus and is shorter than isoform a.