

## Product datasheet for **SC319952**

### RPL23 (NM\_000978) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RPL23 (NM\_000978) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RPL23  
**Synonyms:** L23; rpL17  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_000978.3  
 GGGGGCCACGTGAGGAGGGTGGGCGGGCGTTAAAGTTCATATCCCAGTGTCTTTGAA  
 TCGACTTCCTTTTTCTTTTTCCGGCGTCAAGATGTGCAAGCGAGGACGTGGTGGGTC  
 CTCTGGTGCAGAAATTCGGATTTCTTTGGTCTTCCGGTAGGAGCTGTAATCAATTGTGC  
 TGACAACACAGGAGCCAAAAACCTGTATATCATCTCCGTGAAGGGGATCAAGGGACGGCT  
 GAACAGACTTCCCGCTGCTGGTGTGGGTGACATGGTGATGGCCACAGTCAAGAAAGGCAA  
 ACCAGAGCTCAGAAAAAGGTACATCCAGCAGTGGTCATTCGACAACGAAAGTCATACCG  
 TAGAAAAGATGGCGTGTTCTTTATTTGAAGATAATGCAGGAGTCATAGTGAACAATAA  
 AGGCGAGATGAAAGTTCTGCCATTACAGGACCAGTAGCAAGGAGTGTGCAGACTTGTG  
 GCCCGGATTGCATCCAATGCTGGCAGCATTGCATGATTCTCCAGTATATTTGTAAAAAA  
 TAAAAAAAAAACTAAACCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_000978  
**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).  
**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.  
**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\\_000978.3](#), [NP\\_000969.1](#)

**RefSeq Size:** 594 bp

**RefSeq ORF:** 423 bp

**Locus ID:** 9349

**UniProt ID:** [P62829](#)

**Cytogenetics:** 17q12

**Domains:** Ribosomal\_L14

**Protein Pathways:** Ribosome

**Gene Summary:** Ribosomes, the 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 belongs to the L14P family of ribosomal proteins. It is located in the cytoplasm. This gene has been referred to as rpL17 because the encoded protein shares amino acid identity with ribosomal protein L17 from *Saccharomyces cerevisiae*; however, its official symbol is RPL23. 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]