

## Product datasheet for **SC321023**

### RPL8 (NM\_000973) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RPL8 (NM\_000973) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RPL8  
**Synonyms:** L8  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_000973.3  
 AGATAAGGCCGCTCGCTGACGCCGTGTTTCCTCTTTTCGGCCGCGCTGGTGAACAGGACCC  
 GTCGCCATGGCCGTGTGATCCGTGGACAGAGGAAGGGCCCGGTCTGTGTTCCGCGCG  
 CACGTGAAGCACCGTAAAGGCGCTGCGCGCCTGCGCGCGTGGATTTTCGTGAGCGGCAC  
 GGCTACATCAAGGCATCGTCAAGGACATCATCCACGACCCGGGCGCGCGCCCTC  
 GCCAAGGTGGTCTTCCGGGATCCGTATCGGTTTAAAGAAGCGGACGGAGCTGTTCAATTGCC  
 GCCGAGGGCATTACACGGGCCAGTTTGTGATTGCGGCAAGAAGGCCAGCTCAACATT  
 GGCAATGTGCTCCCTGTGGGCACCATGCCTGAGGGTACAATCGTGTGCTGCCTGGAGGAG  
 AAGCCTGGAGACCGTGGCAAGCTGGCCCGGCATCAGGGAATGACCACCGTTATCTCC  
 CACAACCCTGAGACCAAGAAGACCCGTGTAAGCTGCCCTCCGGCTCCAAGAAGTTATC  
 TCCTCAGCCAACAGAGCTGTGGTTGGTGTGGTGGCTGGAGGTGGCCGAATTGACAAACCC  
 ATCTTGAAGGCTGGCCGGCGTACCACAAATATAAGGCAAAGAGGAACTGCTGGCCACGA  
 GTACGGGGTGTGGCCATGAATCCTGTGGAGCATCCTTTTGGAGGTGGCAACCACAGCAC  
 ATCGGCAAGCCCTCCACCATCCGCAGAGATGCCCTGCTGGCCGCAAAGTGGGTCTCATT  
 GCTGCCCGCCGGACTGGACGTCTCCGGGAACCAAGACTGTGCAGGAGAAAGAGAAGTAG  
 TGCTGAGGGCCTCAATAAAGTTTGTGTTTATGCCAAAAAAAAAAAAAAAAAAAAAAAAAAAA  
 AAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_000973

**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).



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<b>OTI Annotation:</b>	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.
<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_000973.3</a> , <a href="#">NP_000964.1</a>
<b>RefSeq Size:</b>	903 bp
<b>RefSeq ORF:</b>	774 bp
<b>Locus ID:</b>	6132
<b>UniProt ID:</b>	<a href="#">P62917</a>
<b>Cytogenetics:</b>	8q24.3
<b>Domains:</b>	Ribosomal_L2
<b>Protein Pathways:</b>	Ribosome
<b>Gene Summary:</b>	<p>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 L2P family of ribosomal proteins. It is located in the cytoplasm. In rat, the protein associates with the 5.8S rRNA, very likely participates in the binding of aminoacyl-tRNA, and is a constituent of the elongation factor 2-binding site at the ribosomal subunit interface. Alternatively spliced transcript variants encoding the same protein exist. 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]</p> <p>Transcript Variant: This variant (1) represents the shortest transcript. Variants 1-4 encode the same protein.</p>