

## Product datasheet for SC119578

### RPL12 (NM\_000976) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RPL12 (NM_000976) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL12
Synonyms:	L12
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119578 sequence for NM_000976 edited (data generated by NextGen Sequencing)

```
ATGCCGCCGAAGTTCGACCCCAACGAGATCAAAGTCGTATACCTGAGGTGCACCGGAGGT
GAAGTCGGTGCCACTTCTGCCCTGGCCCCAAGATCGGCCCCCTGGGTCTGTCTCCAAAA
AAAGTTGGTGATGACATTGCCAAGGCAACGGGTGACTGGAAGGGCCTGAGGATTACAGTG
AAACTGACCATTGACAGACAGAGGCCAGATTGAGGTGGTGCCTTCTGCCTCTGCCCTG
ATCATCAAAGCCCTCAAGGAACCAAGAGACAGAAAGAAACAGAAAAACATTAACAC
AGTGGGAATATCACTTTTGATGAGATTGTCAACATTGCTCGACAGATGCGGCACCGATCC
TTAGCCAGAGAACTCTCTGGAACCATTAAGAGATCCTGGGGACTGCCAGTCAGTGGGC
TGTAATGTTGATGGCCCATCCTCATGACATCATCGATGACATCAACAGTGGTGTGTG
GAATGCCAGCCAGTTAA
```

Clone variation with respect to NM\_000976.3

#### 5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_000976 unedited
CACGAGGCCAAGGTGCAACTTCTTCGGTCGTCCCGAATCCGGGTTTCATCCGACACCAGC
CGCCTCCACCATGCCGCCGAAGTTCGACCCCAACGAGATCAAAGTCGTATACCTGAGGTG
CACCGGAGGTGAAGTCGGTGCCACTTCTGCCCTGGCCCCAAGATCGGCCCCCTGGGTCT
GTCTCCAAAAAAGTTGGTGATGACATTGCCAAGGCAACGGGTGACTGGAAGGGCCTGAG
GATTACAGTGAACTGACCATTGACAGACAGAGGCCAGATTGAGGTGGTGCCTTCTGTC
CTCTGCCCTGATCATCAAAGCCCTCAAGGAACCAAGAGACAGAAAGAAACAGAAAA
CATTAAACACAGTGGGAATATCACTTTTGATGAGATTGTCAACATTGCTCGACAGATGCG
GCACCGATCCTTAGCCAGAGAACTCTCTGGAACCATTAAGAGATCCTGGGGACTGCCCA
GTCAGTGGGCTGTAATGTTGATGGCCCATCCTCATGACATCATCGATGACATAACAGT
GGGTGCTTGTGGAATGCCAGCCAGTTAAGCACAAAGGAAACATTTAATAAAGGATCAT
TTGACAAAAAAN
```



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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_000976 unedited NTTTAGCTTGNC CGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGTCAAAT GATCCTTTATTGAAATGTTTTCTTTGTGCTTAACTGGCTGGGCATTCCACAGCACCCT GTTGATGTCATCGATGATGTCATGAGGATGGCGGCCATCAACATTACAGCCCACTGACTG GGCAGTCCCAGGATCTCTTTAATGGTTCCAGAGAGTTCTCTGGTAAGGATCGGTGCCG CATCTGTGCGACAATGTTGACAATCTCATCAAAAGTGATATCCCACTGTGTTAATGTT TTTCTGTTTCTTTCTGTCTCTTGGTGGTTCCTTGAGGGCTTTGATGATCAGGGCAGAGGC AGAAGGCACCACCTCAATCTGGGCCTGTCTGTTCTGAATGGTCAGTTTCACTGTAATCCT CAGGCCCTTCCAGTCACCCGTTGCCCTTGCAATGTCATCACCAACTTTTTTTGGAGACAG ACCCAGGGGGCCGATCTTGGGGCCAGGGCAGAAGTGGCACCGACTTCACCTCCGGTGCA CCTCAGGTATACGACTTTGATCTCGTTGGGGTCAAACTTCGGCGGCATGGTGGAGCGGC TGGTGTCCGATGAACCCGATTCCGGACACCGAAGGAAGTTGCACCTTGGCCTCGTGCC GAATTCGGCGCCGCCCTATAGTGAGTCGTATTACAAAATCTGACGGTCACTAAACGAG CTCTGCTTATATAGACCTNCCACCGTACACGCCTACCGNCCATTTGCGTCAACGGGCGGG GTTATTACGACATTTTGGAAAGTCCCGTTGATTTTGGTGCCAAACANACTNCCATTGACG TCATGGGGTGGAGACTTGAAATCCCGTGAGTCAACCGCTTCCACCCATTGGTTACTGC CAAAACGN
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_000976
<b>Insert Size:</b>	1920 bp
<b>OTI Disclaimer:</b>	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).
<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_000976.2</a> , <a href="#">NP_000967.1</a>
<b>RefSeq Size:</b>	632 bp
<b>RefSeq ORF:</b>	498 bp
<b>Locus ID:</b>	6136
<b>UniProt ID:</b>	<a href="#">P30050</a>
<b>Cytogenetics:</b>	9q33.3
<b>Domains:</b>	Ribosomal_L11
<b>Protein Pathways:</b>	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 L11P family of ribosomal proteins. It is located in the cytoplasm. The protein binds directly to the 26S rRNA. This gene is co-transcribed with the U65 snoRNA, which is located in its fourth intron. 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]