

## Product datasheet for SC119524

### RPS13 (NM\_001017) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RPS13 (NM_001017) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS13
Synonyms:	S13
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119524 sequence for NM_001017 edited (data generated by NextGen Sequencing)

```
ATGGGTTCGCATGCATGCTCCCGGAAGGGCCTGTCCAGTCGGCTTTACCCTATCGACGC
AGCGTCCCACCTTGGTTGAAGTTGACATCTGACGACGTGAAGGAGCAGATTTACAAACTG
GCCAAGAAGGGCCTTACTCCTTCACAGATCGGTGTAATCCTGAGAGATTCACATGGTGTT
GCACAAGTACGTTTTGTGACAGGCAATAAAATTTAAGAATTCTTAAGTCTAAGGGACTT
GCTCCTGATCTTCTGAAGATCTCTACCATTTAATTAAGAAAGCAGTTGCTGTTGAAAG
CATCTTGAGAGGAACAGAAAGGATAAGGATGCTAAATCCGTCTGATTCTAATAGAGAGC
CGGATTCACCGTTTGGCTCGATATTATAAGACCAAGCGAGTCCTCCCTCCCAATTGGAAA
TATGAATCATCTACAGCCTCTGCCCTGGTCGCATAA
```

Clone variation with respect to NM\_001017.2

#### 5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_001017 unedited
CGGCCCGAATTCGGCACCAGCCGCATCATGGGTTCGCATGCATGCTCCCGGAAGGGCC
TGTCCAGTCGGCTTTACCCTATCGACGCAGCGTCCCACCTTGGTTGAAGTTGACATCTG
ACGACGTGAAGGAGCAGATTTACAAACTGGCCAAGAAGGGCCTTACTCCTTCACAGATCG
GTGTAATCCTGAGAGATTCACATGGTGTTGCACAAGTACGTTTTGTGACAGGCAATAAAA
TTTTAAGAATTCTTAAGTCTAAGGGACTTGTCTCCTGATCTTCTGAAGATCTCTACCATT
TAATTAAGAAAGCAGTTGCTGTTGAAAGCATCTTGAGAGGAACAGAAAGGATAAGGATG
CTAAATCCGTCTGATTCTAATAGAGAGCCGATTACCGTTTGGCTCGATATTATAAGA
CCAAGCGAGTCCCTCCCAATTGAAATATGAATCATCTACAGCCTCTGCCCTGGTCG
CATAAATTTGTCTGTGTAAGCAATAAAATGATTGTTTAACTAAAAAAAAAAAAAAAA
AAAACGACTCTAGATTGCGGCCGCGGTGATAGCTGTTTCTGAACAGATCCCGGGTGG
CATCCCTGTGACCCCTCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCC
ACCAGCCTTGTCTAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCCTTCTAT
ATATTATGGGGTGG
```



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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_001017 unedited CTTGGACCCGCGCCGCATCTANATCGAGTTTTTTTTTTTTTTTTTTTTAGTTAAACAATCA TTTTATTGCTTGAGTACACAGACAAATTTATGCGACCAGGGCAGAGGCTGTAGATGATTC ATATTTCCAATTGGGAGGGAGGACTCGCTTGGTCTTATAATATCGAGCCAAACGGTGAAT CCGGCTCTCTATTAGAATCAGACGGAATTTAGCATCCTTATCCTTTCTGTTCTCTCAAG ATGCTTTCGAACAGCAACTGCTTTCTTAATTAATGGTAGAGATCTTCAGGAAGATCAGG AGCAAGTCCCTTAGACTTAAGAATCTTAAAATTTTATTGCCTGTCACAAAACGTACTTG TGCAACACCATGTGAATCTCTCAGGATTACACCGATCTGTGAAGGAGTAAGGCCCTTCTT GGCCAGTTTGAAATCTGCTCCTTCACGTCGTCAGATGTCAACTTCAACCAAGTGGGGAC GCTGCGTCGATAGGGTAAAGCCGACTGGGACAGGCCCTTCCCGGGAGCATGCATGCGACC CATGATGGCGGCTGGTGCCCACTTACGGCCGCCCTATAGCGAGTCGTACCCAAAATTCT CACCGCCACTAAACGAGCCCCGTTTCATATGCACCTTACCCCGTACCCCCCTATCCGCC TTTACTACTCCCCGGGAGTCGACCACATCCACCTTCCCCCGTACCACCCNTCCCCCA TCGCCCCGCACGTCCACCCCCCAACCTCGCACCCCCCGCAACCACTCCCTCTCTCC CCCCTATCCACTACCCCCCTTTTCCACCCATTCTACCATTCTCACATCTTTTCCCC CCCCCCACCCTTTTTCCCCCCCCCCCCCTCCCCCTCTTCCCCACGCCTCACCCGC CCTCCACCGACCTCTCGCCCCCTTATTCCCCCCCCACCCTCTCCTTCTTATCCCA TATTCTCTCCGCTTACCACCCACCACCTCCCCCG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001017
<b>Insert Size:</b>	480 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>	<u><a href="#">NM_001017.2</a></u> , <u><a href="#">NP_001008.1</a></u>
<b>RefSeq Size:</b>	529 bp
<b>RefSeq ORF:</b>	456 bp
<b>Locus ID:</b>	6207
<b>UniProt ID:</b>	<u><a href="#">P62277</a></u>
<b>Cytogenetics:</b>	11p15.1
<b>Domains:</b>	Ribosomal_S15

**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 40S subunit. The protein belongs to the S15P family of ribosomal proteins. It is located in the cytoplasm. The protein has been shown to bind to the 5.8S rRNA in rat. The gene product of the E. coli ortholog (ribosomal protein S15) functions at early steps in ribosome assembly. This gene is co-transcribed with two U14 small nucleolar RNA genes, which are located in its third and fifth introns. 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]