

Product datasheet for **SC119576**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119576 sequence for NM_000973 edited (data generated by NextGen Sequencing)

```
ATGGGCCGTGTGATCCGTGGACAGAGGAAGGGCGCCGGTCTGTGTTCCGCGCGCACGTG
AAGCACCGTAAAGGCGCTGCGCGCCTGCGCGCCGTGGATTTTCGCTGAGCGGCACGGCTAC
ATCAAGGGCATCGTCAAGGACATCATCCACGACCCGGGCCGCGCGCCCTCGCCAAG
GTGGTCTTCCGGGATCCGTATCGGTTTAAAGAAGCGGACGGAGCTGTTTCATTGCCGCCGAG
GGCATTACACGGGCCAGTTTGTGTATTGCGGCAAGAAGGCCAGCTCAACATTGGCAAT
GTGCTCCCTGTGGGCACCATGCCTGAGGGTACAATCGTGTGCTGCCTGGAGGAGAAGCCT
GGAGACCGTGGCAAGCTGGCCCCGGGCATCAGGGAATATGCCACCGTTATCTCCACAAC
CCTGAGACCAAGAAGACCCGTGTGAAGCTGCCCTCCGGCTCCAAGAAGGTTATCTCCTCA
GCCAACAGAGCTGTGGTTGGTGTGGTGGCTGGAGGTGGCCGAATTGACAAACCCATCTTG
AAGGCTGGCCGGGCGTACCACAAATATAAGGCAAAGAGGAACTGCTGGCCACGAGTACGG
GGTGTGGCCATGAATCCTGTGGAGCATCCTTTTGGAGGTGGCAACCACCGACATCGGC
AAGCCCTCCACCATCCGAGAGATGCCCTGCTGGCCGAAAAGTGGGTCTCATTGCTGCC
CGCCGGACTGGACGTCTCCGGGGAACCAAGACTGTGCAGGAGAAAAGAGAAGTACTAG
```

Clone variation with respect to NM_000973.3



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000973 unedited
 GGGTGTTCACCATATTTGTATACGACTCACTTATAGGGCGGCCGGAATCGGCACGAGGC
 GCTGGTGAACAGGACCCGTGCGCTGGGCGGTGTGATCCGTGGACAGAGGAAGGGCGCCGG
 GTCTGTGTTCCGCGCGCACGTGAAGCACCGTAAAGGCGCTGCGCGCTGCGCGCCGTGGA
 TTTGCTGAGCGGCACGGCTACATCAAGGGCATCGTCAAGGACATCATCCAGACCCGGG
 CCGCGCGCGCCCTCGCAAGGTGGTCTTCCGGGATCCGTATCGGTTAAGAAGCGGAC
 GGAGCTGTTCAATTGCGCCGAGGGCATTACACGGGCCAGTTTGTGATTGCGGCAAGAA
 GGCCAGCTCAACATTGGCAATGTGCTCCCTGTGGGCACCATGCCTGAGGGTACAATCGT
 GTGCTGCCTGGAGGAGAAGCCTGGAGACCGTGGCAAGCTGGCCCGGCATCAGGGAATA
 TGCCACCGTTATCTCCACAACCCTGAGACCAAGAAGACCCGTGTGAAGCTGCCCTCCGG
 CTCCAAGAAGTTATCTCCTCAGCCAACAGAGCTGTGGTTGGTGTGGTGGCTGGAGGTGG
 CCGAATTGACAAACCATCTTGAAGGCTGGCCGGGCGTACCACAAATAAAGCAAAGAG
 GAACTGCTGGCCACGAGTACGGNGTGTGGCCATGAATCCTGTGGAGCATCCTTTTGGAGG
 TGGCAACCACCAGACATCGGGCAGCCCTCCACCATCCGCAGAGATGCCCTGCTGGCCG
 CAAAGTGGGTCTCATTGCTTGC CGCCGACTGGACCGTCTCCGGGACCAAGACTGTGCAG
 GAGAAAGAGACTAGTGTGAGGGCTCAATAAATTTGTGTTTATGCCCAAAAAAAAAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000973 unedited
 GTCCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TGGCATAAACACAAACTTTATTGAGGCCCTCAACTAATTCTTTTTTCTGCACAGTC
 TTGGTTCCCGGAAACGTCCAGTCCGGGGGCAACAATGAAACCCACTTTGCGGGCAACA
 GGGGCATTTCTGCGGATGGGGGAGGCTTGCCCATGTGCTGGTGGGTGCCACCTCCAAAA
 GGATGCTCCACAGGATTCATGGGCACACCCGTA CTCTGTCGAGCAGTTCCTCTTTGCC
 TTATATTTGGGGGACGCCCGCCAGCCTTAAGAAGGGTTTGGCAATTCGGCCACCTCCA
 GCCACCACCAAACACAGGTTTGTGGCTGAAGAAATAACCCTCTTGGAGCCGGAGGGC
 ATCTTACACGGGTCTTCTTGGTCTCAAGGTGGGGGAAATAACGGGGGCATAATTCCCT
 GATGCCCGGGCAACTTGGCACGGTCTCCAAGTCTTCTCCTCAGGCAGCACACCATTTGTA
 CCCTTAAGGCTGGGGCCACAGGGAGCACATTGCCAATGGTTAACTGGGCCTTTTTGGGG
 AAAACACAAACTGGGCCGGGTGAATGCCCGGGGGGAAAGAAAAACTTCGTCCCCTTCC
 TAAACCGCAACGGATCCCGGAAGACACCCTTGGTTAGGGGGCCCCCGCGCCCGGCTCG
 GGGAGAAGTCCCCGAAATCCCCTTAGGAAACCCGACCGCAAAGCAACCCCGCGCCACCC
 GCGCACCACTCTCCGTGCCTCCTCGGCCCGAAAACACAACCGTATTTTTTTTGTACAACG
 ACCCCCGTCAACCGGCATCTCTCTCGTATTCCCCCTTCGGTAACTAT

Restriction Sites:

NotI-NotI

ACCN:

NM_000973

Insert Size:

930 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).

Reconstitution Method:	<ol style="list-style-type: none">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_000973.3 , NP_000964.1
RefSeq Size:	903 bp
RefSeq ORF:	774 bp
Locus ID:	6132
UniProt ID:	P62917
Cytogenetics:	8q24.3
Domains:	Ribosomal_L2
Protein Pathways:	Ribosome
Gene Summary:	<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>