

Product datasheet for **SC119499**

RPL29 (NM_000992) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL29 (NM_000992) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL29
Synonyms:	HIP; HUMRPL29; L29; RPL29P10; RPL29_3_370
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119499 sequence for NM_000992 edited (data generated by NextGen Sequencing)

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ATGGCCAAGTCCAAGAACCACACCACACAACCAGTCCCAGAAAATGGCACAGAAATGGT
ATCAAGAAACCCCGATCACAAAGATACGAATCTCTTAAGGGGGTGGACCCCAAGTTCCTG
AGGAACATGCGCTTTGCCAAGAAGCACAACAAAAAGGGCCTAAAGAAGATGCAGGCCAAC
AATGCCAAGGCCATGAGTGCACGTGCCGAGGCTATCAAGGCCCTCGTAAAGCCCAAGGAG
GTTAAGCCCAAGATCCCAAAGGGTGTGTCAGCCGCAAGCTCGATCGACTTGCCTACATTGCC
CACCCCAAGCTTGGGAAGCGTGTCTGTGCCGTATTGCCAAGGGGCTCAGGCTGTGCCGG
CCAAAGGCCAAGGCCAAGGCCAAGGCCAAGGATCAAACCAAGGCCAGGCTGCAGCCCA
GCTTCAGTTCAGCTCAGGCTCCCAAACGTACCCAGGCCCTACAAGGCTTCAGAGTAG
```

Clone variation with respect to NM_000992.2



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000992 unedited
 GAGGTTTCGATTTTTGTNATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGCGCTT
 CCGGNACCGCGGCTTATGGTGCAGACTGGCCAAGTCCAAAAACACACCACACAACCA
 GTCCCGAAATGGCACAGAAATGGTATCAAGAAACCCGATCACAAGATACGAATCTCTT
 AAGGGGTGGACCCCAAGTTCCTGAGGAACATGCGCTTTGCCAAGAAGCACAACAAAAG
 GGCCTAAAGAAGATGCAGGCCAACAAATGCCAAGGCCATGAGTGCACGTGCCGAGGCTATC
 AAGGCCCTCGTAAAGCCCAAGGAGGTTAAGCCCAAGATCCCAAAGGGTGTGAGCCGCAAG
 CTCGATCGACTTGCCTACATTGCCACCCCAAGCTTGGGAAGCGTGCTGCTGCCCGTATT
 GCCAAGGGGCTCAGGCTGTGCCGCCAAAGGCCAAGGCCAAGGCCAAGGCCAAGGATCAA
 ACCAAGGCCCAGGCTGCAGCCCCAGCTTCAGTTCAGCTCAGGCTCCCAAACGTACCCAG
 GCCCTACAAAGGCTTCAGAGTAGATATCTCTGCCAACATGAGGACAGAAGGACTGGTGC
 GACCCCCACCCCGCCCTGGGCTACCATCTGCATGGGCTGGGGTCTCTGTGCTAT
 TTGTACAAATAAACCTGAGGCAGGAANCNNNNANCNCCNNNTNACACAAAAA
 AACAACTCGACTCTAGATTGCGGCCGCGTCATAGCTGTTTCTGAACAGATCCCGGTT
 GGCATCCTTGACCCCTCCCCAGGCTTCTCTGGCCCTGAAATTTGCCCTCCCATGCC
 ACACCCTGTCCTATAAAAATAGTTGCTTATTTTGTCTGACTAGGCTTCTATAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000992 unedited
 TTTATGCNACCGCGCCGAATCTTAGNANCGAGCTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTCCCTGCCCAAGGGTAAATTGGGCCAAAAAGCACAGGAGGACCC
 CACCCCATGCAAAGGGAACCCAGGGCGGGGGGGGGGGCCACCAGCCCTTCTGCC
 CTAATGTGGGCAAAAATATCTACTTTGAACCTTTGAAGGGCCTGGTTACGTTGGGAAC
 CCTGACCTGAAACGGAAGCTGGGCTGCATCTTGCCCTTGTTGGACCCTTGGCCTTGG
 CCTTGGCCTTGGCCTTTGGCCGGCACAGCTGACCCCTTGAAATACGGGCACAAGCAC
 CCTTCAAAGCTGGGGGGGGCAATGTAGGCAAGCCAATCGAGCTTGCAGTTGACACCTT
 TTGGAATCTTGGGCTAAACCTCTTTGGGCTAACGAGGCCCTTGATAGCCCCGGCACGTG
 CACTAATGGCCTTGAATTGTTGGCCTGCATCTTCTTAGGCCCTTTTTGTTGGGCTTCT
 GGGCAAAGCCCATGTCCCTAAAGAACTTGGGGCCCCCCCCCTTAAAGATTTGAATCTTT
 GGGACGGGGTTTTTGAACCATTTTTTGGCCATTTTCGGAACCGGTTGCGGGGGGGGG
 TTTTTGGACTTGGCCAGGCTGCCATAACCCCGGGCTCCCAAAGGCCCTGTGCCAAAT
 CCGGGCCCGCCTAATAGGACCCGATTACAAAAATCCGCGGGCCAAACAAACCGAGTCCC
 GTCCAAAAAACCCCAACGGACCGCCTCAACCGCATTGGCCCCAGGGCCCGGGCGTTA
 AACCCACCTCTTGCAACGCTCCCTCCTCTGTGCCAACAAAAATCCTCTCCCCCT
 CCAAGGGCGCGCTCTTTCCCCACCCTCCTCTCCTTCCCCCTCCACCCCTCCTCTC
 T

Restriction Sites:

NotI-NotI

ACCN:

NM_000992

Insert Size:

690 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:

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_000992.2](#), [NP_000983.1](#)

RefSeq Size: 737 bp

RefSeq ORF: 480 bp

Locus ID: 6159

UniProt ID: [P47914](#)

Cytogenetics: 3p21.2

Domains: Ribosomal_L29e

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 cytoplasmic ribosomal protein that is a component of the 60S subunit. The protein belongs to the L29E family of ribosomal proteins. The protein is also a peripheral membrane protein expressed on the cell surface that directly binds heparin. Although this gene was previously reported to map to 3q29-qter, it is believed that it is located at 3p21.3-p21.2. 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]