

Product datasheet for **SC113007**

RPL36A (NM_021029) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL36A (NM_021029) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL36A
Synonyms:	L36A; L44L; MIG6; RPL44
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_021029, the custom clone sequence may differ by one or more nucleotides

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ATGATTGCTCCTACCGACTCCCATGAGGAAGTGCATCGGGAACCTCCTATATACTTCCGTTTGCCTCGC
GGTTTCTTTCTTTCCGCGCCGATAGCGCTCACGCAAGCATGGTTAACGTCCCTAAAACCCGCGGACTTT
CTGTAAGAAGTGTGGCAAGCACCAACCCCATAAAGTGACACAGTACAAGAAGGGCAAGGATTCTCTGTAC
GCCCAGGGAAAGCGCGTTATGACAGGAAGCAGAGTGGCTATGGTGGGCAAACTAAGCCGATTTCCGGA
AAAAGGCTAAAAC TACAAGAAGATTGTGCTAAGGCTTGAGTGC GTTGAGCCCAACTGCAGATCTAAGAG
AATGCTGGCTATTAAGAAGATGCAAGCATTTTGAAGTGGGAGGAGATAAGAAGAGAAAGGGCCAAGTGATC
CAGTTCTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021029 unedited
 CTTTGGCGATTTGTATACGTTCACTATAGGCGGCCGCGATTTCGGCACCAGGCATGGTTAA
 CGTCCCTAAAACCCGCGGACTTTCTGTGAAGAAGTGTGGCAAGCACCAACCCATAAAGT
 GACACAGTACAAGAAGGGCAAGGATTCTCTGTACGCCAGGGAAAGCGGCGTTATGACAG
 GAAGCAGAGTGGCTATGGTGGGCAAACTAAGCCGATTTCCGGAAAAAGGCTAAAACCTAC
 AAAGAAGATTGTCTAAGGCTTGAGTGCCTTGAGCCCACTGCAGATCTAAGAGAATGCT
 GGCTATTAAGAAGATGCAAGCATTGGAAGTGGGAGGAGATAAGAAGAGAAAGGGCAAGT
 GATCCAGTCTAAGTGTATCTTTTATTATGAAGACAATAAAATCTTGAGTTTATGTTCA
 AAAAAAAAAAAAAAAAAAACTACTACTCTAGATTGCGGCCGCGGTATAGCTGTTTCTGA
 ACAGATCCCGGTGGCATCCCTGTGACCCCTCCCAAGTGCCTCTCCTGCCCTGGAAGTT
 GCCACTCCAGTGCCACCAGCCTTGTCTAATAAAATTAAGTTGCATCATTTTGTCTGAC
 TAGGTGTCCTTATAATATTATGGGGTGGAGGGGGTGGGTATGGACCCACGGGCCAC
 CCGGCACCACACCTGTCCGCGTGCAGCCCTATTGGCACACCCCTGCGCTCCCCC
 ACCACCCTGCTTACTGCATCCCCCCCCCGCCCAAAAACCTCCCCCTCTCCTCTCA
 CCCGTCCACTCCCACCCACCAACCCACCCACCCCTCCTCCCCCGCCGCCACCC
 ACCCCCCCTAAAGCCCTCCCGCACNCCACGAAACACCTACCCCTACCCCTCCCCCA
 CCCACCACCTCCTATAACC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_021029 unedited
 CAATTAGCTATGAACTGTCGGCCCGTACCTACGACCCCGCTTTTTTTTTTTTTTTTTT
 TGAACATAAACTAACATTTTATTGTCTTCATAATAAAAGATGACTTCAGAACTGGAT
 CACTTGGCCCTTCTCTTCTTATCTCCTCCAGTTCAAAATGCTTGCATCTTTAATAGC
 CAGCATTCTCTTAGATCTGCAGTTGGGCTCAACGCACTCAAGCCTTAGCACAACTTCTT
 TGTAGTTTTAGCCTTTTTCCGGAAAATCGGCTTAGTTTGCCACCATAGCCTCTGCTT
 CCTGTCATAACGCCGCTTCCCTGGGCGTACAGAGAATCCTTGCCCTTCTGTACTGTGT
 CACTTTATGGGGTTGGTCTTGCCACACTTCTTACAGAAAGTCCGGCGGGTTTTAGGGAC
 GTTAACCATGCCTGGTGCAGAAATTCGGCGCCGCTATAGTGAGTCGTATTACAAAATTC
 TGACGGTTCACTAAACGAGCTCTGCTTATATAGACCTCCACCGTACACGCTACCGCCC
 ATTTGCGTCAACGGGGCGGGGTATTACGACATTTGGAAAGTCCCGTTGATTTGGTGC
 CAAAACAACTCCCATGACGTCAATGGGGTGGAGACTTGAAATCCCGTGAGTCAAAC
 CGCTATCCAGCCATTGGTGCAGTCCACACCCGATCACCATGGTAATAGCGATGAC
 ACAACGTGACAGCGACTTGCCAGCATGAAAGTCCCGCACGGTCTGTACTGCGCCATAAG
 CCCGGCGGGCCACTTACCGCAATGACGACCCACAGGGCCGGCCCTGCCATACGCCACA
 CTCTGACGAACTGCGCCGCGGTCTATTTACCCTAAACACTCCCACCATGACGTATGCA
 CCCGCCAAAAAGCTTCCATTGCAACCAACTCTCATGCCATACCGGCATT

Restriction Sites:

NotI-NotI

ACCN:

NM_021029

Insert Size:

420 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_021029.3](#), [NP_066357.1](#)

RefSeq Size: 881 bp

RefSeq ORF: 321 bp

Locus ID: 6173

UniProt ID: [P83881](#)

Cytogenetics: Xq22.1

Domains: Ribosomal_L44

Protein Pathways: Ribosome

Gene Summary: Cytoplasmic ribosomes, 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, which shares sequence similarity with yeast ribosomal protein L44, belongs to the L44E (L36AE) family of ribosomal proteins. Although this gene has been referred to as ribosomal protein L44 (RPL44), its official name is ribosomal protein L36a (RPL36A). This gene and the human gene officially named ribosomal protein L36a-like (RPL36AL) encode nearly identical proteins; however, they are distinct genes. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Naturally occurring read-through transcription occurs between this locus and the heterogeneous nuclear ribonucleoprotein H2 (H') gene. [provided by RefSeq, Jan 2011]
Transcript Variant: This variant (1) represents the shorter transcript and encodes the longer isoform (a).