

Product datasheet for **SC109743**

RPL8 (NM_033301) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL8 (NM_033301) 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:	>NCBI ORF sequence for NM_033301, the custom clone sequence may differ by one or more nucleotides

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ATGGGCCGTGTGATCCGTGGACAGAGGAAGGGCGCCGGTCTGTGTTCCGCGCGCACGTGAAGCACCGTA
AAGGCGCTGCGCGCCTGCGCGCCGTGGATTTGCTGAGCGGCACGGCTACATCAAGGGCATCGTCAAGGA
CATCATCCACGACCCGGGCCGCGCGCCCTCGCCAAGGTGGTCTTCCGGGATCCGTATCGGTTTAAAG
AAGCGGACGGAGCTGTTTCATTGCCGCCGAGGGCATTACACGGGCCAGTTTGTGTATTGCGGCAAGAAGG
CCCAGCTCAACATTGGCAATGTGCTCCCTGTGGGCACCATGCCTGAGGGTACAATCGTGTGCTGCCTGGA
GGAGAAGCCTGGAGACCGTGGCAAGCTGGCCCGGCATCAGGGAAGTATGCCACCGTTATCTCCACAAC
CCTGAGACCAAGAAGACCCGTGTGAAGTGCCTCCGGCTCCAAGAAGGTTATCTCCTCAGCCAACAGAG
CTGTGGTTGGTGTGGTGGCTGGAGGTGGCCGAATTGACAAACCATCTTGAAGGCTGGCCGGGCGTACCA
CAAATATAAGGCAAGAGGAACTGCTGGCCACGAGTACGGGGTGTGGCCATGAATCCTGTGGAGCATCCT
TTTGGAGGTGGCAACCACCAGCACATCGGCAAGCCCTCCACCATCCGCAGAGATGCCCTGCTGGCCGCA
AAGTGGGTCTCATTGCTGCCCGCCGACTGGACGTCTCCGGGAACCAAGACTGTGCAGGAGAAAGAGAA
CTAG
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_033301 unedited GTCAGATTTTGTAAACGACTTACTATTAGGGCGGCCGCGATTCCGGCACGAGGGCGGCAT GGGCAGTATCCGCCGCCATCCTCTTCCGTGAGGCGCGCTGAGACCCGGACCGGCCCTCT GAGAGGATGCCGGTGCGGGCGCCCGGAGAGGGACCCGTCGCCATGGGCCGTGTGATCC GTGGACAGAGGAAGGGCGCCGGGTCTGTGTTCCGCGCGCACGTGAAGCACCGTAAAGGCG CTGCGCGCCTGCGCGCCGTGGATTCGCTGAGCGGCACGGCTACATCAAGGGCATCGTCA AGGACATCATCCACGACCCGGGCGCGGCCCTCGCCAAGTGGTCTTCCGGGATC CGTATCGGTTTAAAGAAGCGGACGGAGCTGTTTCATTGCCGCCGAGGGCATTACACGGGCC AGTTTGTGATTGCGGCAAGAAGGCCAGCTCAACATTGGCAATGTGCTCCCTGTGGCA CCATGCCTGAGGGTACAATCGTGTGCTGCCTGGAGGAGAAGCCTGGAGACCGTGGCAAGC TGGCCCGGGCATCANGGAATATGCCACCGTTATCTCCACAACCCTGAGACCAAGAAGA CCCGTGTGAAGCTGCCCTCCGGCTCCAAGAAGTTATCTCCTCAGCCAACANAACGTGTTG TTTGTTGGTGGCTGGAGGTGGCCCAATTTGACAAACCCATTTTGAAGGCTGCCCG GCGTTCCACACATATTAAGCAAAGAAGAACTGCTTGCCACCATTTGGGTTGTGGCCATG AATTCTGTGGAACCTCCCTTTGGAGGTGCCACCACCCACTTTGGGAAGCCCTCCACAT TCGCAGAGTGCCCTGTTGGCGCAAAGTGGGTCTCATTGTTGGCCCCGGACGGTACTCT CTCGGGAACCAAATGTGCC
Restriction Sites:	NotI-NotI
ACCN:	NM_033301
Insert Size:	1070 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:	<u>NM_033301.1</u> , <u>NP_150644.1</u>
RefSeq Size:	967 bp
RefSeq ORF:	774 bp
Locus ID:	6132
UniProt ID:	<u>P62917</u>
Cytogenetics:	8q24.3
Domains:	Ribosomal_L2
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 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]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1-4 encode the same protein.