

Product datasheet for **SC125704**

RPL14 (BC019651) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL14 (BC019651) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL14
Synonyms:	CAG-ISL-7; CTG-B33; hRL14; L14; RL14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC019651 edited TGCCAACATGGTGTTTCAGGCGCTTCGTGGAGGTTGGCCGGGTGGCCTATGTCTCCTTTGG ACCTCATGCCGAAAATTGGTCGCGATTGTAGATGTTATTGATCAGAACAGGGCTTTGGT CGATGGACCTTGCACTCAAGTGAGGAGACAGCCATGCCTTTCAAGTGATGCAGCTCAC TGATTTTCATCCTCAAGTTTCCGCACAGTGCCACCAGAAGTATGTCGACAAGCCTGGCA GAAGGCAGACATCAATACAAAATGGGCAGCCACACGATGGGCCAAGAAGATTGAAGCCAG AGAAAGGAAAGCCAAGATGACAGATTTTTCGTTTAAAGTTATGAAGGCAAAGAAAAT GAGGAACAGAATAATCAAGAATGAAGTTAAGAAGCTTCAAAGGCAGCTCTCCTGAAAGC TTCTCCCAAAAAAGCACCTGGTACTAAGGGTACTGCTGCTGCTGCTGCTGCTGCTGCTG TGCTGCTGCTGCTGCTAAAGTTCCAGCAAAAAAGATCACCGCCGCGAGTAAAAAGGCTCC AGCCCAGAAGGTTCTGCCAGAAAGCCACAGGCCAGAAAGCAGCGCCTGCTCCAAAAGC TCAGAAGGGTCAAAGCTCCAGCCCAGAAAGCACCTGCTCCAAAGGCATCTGGCAAGAA AGCATAAGTGCCAATCATAAAAAGTAATAAAGGTTCTTTTTGACCTGTTAAAAA A



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5' Read Nucleotide Sequence:	<pre>>OriGene 5' read for BC019651 unedited GCCTGGATTTGTAATACGACTTTACTATAGGCGGCCGCGNATTCANATCTGGTACCGGTC CGGAATCCCAGGATATCGTCGACCCACGCGTCCGTGCCAACATGGTGTTTCAGGCCTTC GTGGAGTTGGCCGGTGGCCTATGCTCCTTTGGACCTCATGCCGAAAATTGGTCGCG ATTGTAGATGTTATTGATCAGAACAGGGCTTTGGTCGATGGACCTTGCACTCAAGTGAGG AGACAGGCCATGCCTTTCAAGTGCATGCAGTCACTGATTTTCATCCTCAAGTTCCGCAC AGTGCCACCAGAAGTATGTCCGACAAGCCTGGCAGAAGGCAGACATCAATACAAAATGG GCAGCCACAGATGGGCCAAGAAGATTGAAGCCAGAGAAAAGGAAAAGCAAGATGACAGAT TTTGATCGTTTTAAAGTTATGAAGGCAAAGAAAATGAGGAACAGAATAATCAAGAATGAA GTAAAGAAGCTTCAAAAGGCAGCTCTCCTGAAAGCTTCTCCAAAAAGCACCTGGTACT AAGGGTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTAAAGTTCCA GAAAAAAGATCACCAGCCGAGTAAAAAGGCTCCAGCCAGAAAGGTTCTGCCAGAA GCCACAGGCCAGAAAGCAGCGCCTGCTCCAAAAGCTCAGAAAGGTCAAAAAGCTCCAGCC CAGAAAGCACCTGCTCCAAAGGCATCTGGGCAGAAGCATAAGTGGGCATCATAAAAGTA ATAAGGGTCTTTGACCTGTTAAAAAAGGCGCCGNGTCATAGCTGTTC CNTGACAGATCCNNGGTGGCATCCCTGTGACCCCTTCCCAAGTGCTCTCCTGGCCCTGNA AGTGCCACTNCAGTGCCACCAGCCTGTCTAATAAAATTAAGTGCAATT</pre>
Restriction Sites:	Please inquire
ACCN:	BC019651
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:	BC019651.1 , AAH19651.1
RefSeq Size:	721 bp
Locus ID:	9045
Cytogenetics:	3p22.1
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 L14E family of ribosomal proteins. It contains a basic region-leucine zipper (bZIP)-like domain. The protein is located in the cytoplasm. This gene contains a trinucleotide (GCT) repeat tract whose length is highly polymorphic; these triplet repeats result in a stretch of alanine residues in the encoded protein. Transcript variants utilizing alternative polyA signals and alternative 5'-terminal exons exist but all encode the same protein. 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]