

Product datasheet for SC319378

RPL14 (NM_003973) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL14 (NM_003973) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL14
Synonyms:	CAG-ISL-7; CTG-B33; hRL14; L14; RL14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003973.3
GCGGGTCTTCTTCCTTCGCTAACGCCGCAACATGGTGTTTCAGGCGCTTCGTGGAGG
TTGGCCGGGTGGCTATGTCTCCTTTGGACCTCATGCCGAAAAATGGTCGCGATTGTAG
ATGTTATTGATCAGAACAGGGCTTTGGTCGATGGACCTTGCACTCAAGTGAGGAGACAGG
CCATGCCTTTCAAGTGCATGCAGCTCACTGATTTTCCATCCTCAAGTTTCCGCACAGTGCC
ACCAGAAGTATGTCGACAAGCCTGGCAGAAGGCAGACATCAATACAAAATGGGCAGCCA
CACGATGGGCCAAGAAGATTGAAGCCAGAGAAAGGAAAGCCAAGATGACAGATTTTGATC
GTTTTAAAGTTATGAAGGCAAAGAAAATGAGGAACAGAATAATCAAGAATGAAGTTAAGA
AGCTTCAAAGGCAGCTCTCCTGAAAGCTTCTCCAAAAAGCACCTGGTACTAAGGTA
CTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTAAAAGTTCCAGCAAAAAGATCACCG
CCGCGAGTAAAAAGGCTCCAGCCAGAAGTTCCTGCCAGAAAGCCACAGGCCAGAAAAG
CAGCGCTGCTCCAAAAGCTCAGAAAGGTCAAAAGCTCCAGCCAGAAAGCACCTGCTC
CAAAGGCATCTGGCAAGAAAGCATAAGTGGCAATCATAAAAAGTAATAAAGGTTCTTTTT
GACCTGTTGACAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_003973
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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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_003973.3 , NP_003964.3
RefSeq Size:	854 bp
RefSeq ORF:	648 bp
Locus ID:	9045
UniProt ID:	P50914
Cytogenetics:	3p22.1
Domains:	Ribosomal_L14e, KOW
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 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]</p> <p>Transcript Variant: This variant (2) differs in the 5'-terminal exon, compared to variant 1. Variants 1 and 2 encode the same protein.</p>