

Product datasheet for **SC119489**

RPL21 (NM_000982) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL21 (NM_000982) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL21
Synonyms:	HYPT12; L21
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119489 sequence for NM_000982 edited (data generated by NextGen Sequencing)

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ATGACGAACACAAAGGGAAAGAGGAGAGGCACCCGATATATGTTCTCTAGGCCTTTTAGA
AAACATGGAGTTGTTCTTTGGCCACATATATGCGAATCTATAAGAAAGGTGATATTGTA
GACATCAAGGGAATGGTACTGTTCAAAAAGGAATGCCCCACAAGTGTACCATGGCAAA
ACTGGAAGAGTCTACAATGTTACCCAGCATGCTGTTGGCATTGTTGTAACAAACAAGTT
AAGGGCAAGATTCTTGCCAAGAGAATTAATGTGCGTATTGAGCACATTAAGCACTCTAAG
AGCCGAGATAGCTTCTGAAACGTGTGAAGGAAAATGATCAGAAAAAGAAAGAAGCCAAA
GAGAAAGGTACCTGGGTTCAACTAAAGCGCCAGCCTGCTCCACCCAGAGAAGCACACTTT
GTGAGAACCAATGGGAAGGAGCCTGAGCTGCTGGAACCTATTCCCTATGAATTCATGGCA
TAA
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Clone variation with respect to NM_000982.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_000982 unedited CAAATTTTGTATACGACTCATATAGGCGGCNCGGAATTCGCACGAGGCGCCATCTTCCA GTAATTCGCCAAAATGACGAACACAAAGGGAAAGAGGAGAGGCACCCGATATATGTTCTC TAGGCCTTTTAGAAAACATGGAGTTGTTCTTTGGCCACATATATGCGAATCTATAAGAA AGGTGATATTGTAGACATCAAGGGAATGGTACTGTTCAAAAAGGAATGCCCCACAAGTG TTACCATGGCAAACTGGAAGAGTCTACAATGTTACCCAGCATGCTGTTGGCATTGTTGT AAACAAACAAGTTAAGGGCAAGATTCTTGCCAAGAGAATTAATGTGCGTATTGAGCACAT TAAGCACTCTAAGAGCCGAGATAGCTTCTGAAACGTGTGAAGGAAAATGATCAGAAAAA GAAAGAAGCCAAAGAGAAAGGTACCTGGGTTCAACTAAAGCGCCAGCCTGCTCCACCCAG AGAAGCACACTTTGTGAGAACCAATGGGAAGGAGCCTGAGCTGCTGGAACCTATTCCCTA TGAATTCATGGCATAATAGGTGTTAAAAAAAAAAAAATAAAGGACCTCTGGGCTACAAAAA AAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTCTAGCTGTTTCTGAACAGATC CCGGGTGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTC CAGTGCCACCAGCCTTGTCTAATAAAAATTAANGTGCATCATTTTGTCTGACTAGGTGT CCTTCATAAAAATTATGGGGTGGAGGGGTTGGGGTTTTGAAACCAGGTGCCAGTTTGG GAACAACACCTGTACGGCTGCGNGGGTCTATTGGGAACCAACTGTATTGCAGTGCCACA ATCTGGCTCACTGCATCTNCGCCTCCTGGGTTACGCGATNTCTCTGCTAGCTCCCGAGNT GNTGGGAT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_000982 unedited CTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTAGCCAGAGGTCCTTTATTTTTTTTTTTTA ACACCTATTATGCCATGAATTCATAGGGAATAGGTTCCAGCAGCTCAGGCTCCTTCCCAT TGTTTCTCACAAAGTGTCTTCTCTGGGTGGAGCAGGCTGGCGCTTAGTTGAACCCAGG TACCTTCTCTTTGGCTTCTTCTTTTTCTGATCATTTTCTTACACGTTTCAGGAAGC TATCTCGGCTCTTAGAGTGCTTAATGTGCTCAATACGCACATTAATTCTTGGCAAGAA TCTTGGCCTTAACCTGTTTGTGTTACAACAATGCCAACAGCATGCTGGTAACATTGTAGA CTCTTCCAGTTTTGCCATGGTAACACTTGTGGGCATTCTTTTTGAACAGTACCATTCC CCTTGATGTCTACAATATCACCTTCTTATAGATTTCGCATATATGTGGCCAAAGGAACAA CTCCATGTTTTCTAAAAGGCCTAGAGAACATATATCGGGTGCCTCTCCTTTTCCCTTTG TGTTGTCATTTTGGCGAATTACTGGAAGATGGCGCCTCGTGCCGAATTCGCGGCCGCC TATAGTGAGTCGATTACAAAATCTGACGGTTCACTAAACGAGCTCTGCTTATATAGAC CTNCCACCGTACACGCCCTACCGNCCATTTGCGTCAACGGGCGGGGTTATTACGACATT TTTGAAAAGTCCCGTTGATTTTGGGTGCAACAACTCCATTGACGTCATGGGGTGGAGA CTTGNAATTCCTGTGAGTCAAACGTTTCCCGCCATTGTGTAAGTCCAAACCGATCACAT GGTAATACGAGACTATACCTAAATGCCTGCAATAGGAAATCCCCTAGGTCTGACTTGGCT ATGCCAGCGGGCATTACCGCATGACTCAAAGGGGCGGCTGCCTAGAACCTGACTGCA AGGGCGTTACCGAACTCCCCCTGCGGAG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_000982
Insert Size:	620 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:	NM_000982.2 , NP_000973.2
RefSeq Size:	568 bp
RefSeq ORF:	483 bp
Locus ID:	6144
UniProt ID:	P46778
Cytogenetics:	13q12.2
Domains:	Ribosomal_L21e
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 L21E family of ribosomal proteins. It is located in the cytoplasm. 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>