

Product datasheet for **SC119539**

RPL18 (NM_000979) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL18 (NM_000979) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL18
Synonyms:	DBA18; L18
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119539 sequence for NM_000979 edited (data generated by NextGen Sequencing)

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ATGGGAGTGGACATCCGCCATAACAAGGACCGAAAGGTTTCGGCGCAAGGAGCCCAAGAGC
CAGGATATCTACCTGAGGCTGTTGGTCAAGTTATACAGGTTTCTGGCCAGAAGAACCAAC
TCCACATTCAACCAGGTTGTGTTGAAGAGGTTGTTTATGAGTCGCACCAACCGGCCGCT
CTGTCCCTTTCCCGGATGATCCGGAAGATGAAGCTTCTGGCCGGGAAAACAAGACGGCC
GTGGTTGTGGGGACCATAACTGATGATGTGCGGGTTCAGGAGGTACCCAACTGAAGGTA
TGTGCACTGCGCGTGACCAGCCGGGCCCGCAGCCGCATCCTCAGGGCAGGGGGCAAGATC
CTCACTTCGACCAGCTGGCCCTGGACTCCCCTAAGGGCTGTGGCACTGTCTGCTCTCC
GGTCCTCGCAAGGGCCGAGAGGTGTACCGGCATTTCCGCAAGGCCCCAGGAACCCCGCAC
AGCCACACCAAACCTACGTCCGCTCCAAGGGCCGGAAGTTCGAGCGTGCCAGAGGCCGA
CGGGCCAGCCGAGGCTACAAAACTAA
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Clone variation with respect to NM_000979.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_000979 unedited TAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGAGCAGGAGGCCATCAT GGGAGTGGACATCCGCCATAACAAGGACCGAAGTTTCGGCGCAAGGAGCCCAAGAGCCAG GATATCTACCTGAGGCTGTTGGTCAAGTTATACAGTTTCTGGCCAGAAGAACCAACTCC ACATTC AACAGGTTGTGTTGAAGAGGTTGTTTATGAGTCGCACCAACCGGCCCTCTG TCCCTTTCCCGGATGATCCGGAAGATGAAGCTTCTGGCCGGGAAAACAAGACGGCCGTG GTTGTGGGGACCATAACTGATGATGTGCGGGTTACAGAGGTACCCAACTGAAGGTATGT GCATGCGCGTGACAGCCGGGCCGACGCCGATCCTCAGGGCAGGGGGCAAGATCCTC ACTTTCGACCAGCTGGCCCTGGACTCCCCTAAGGGCTGTGGCACTGTCCTGCTCCGGT CCTCGCAAGGGCCGAGAGGTGTACCGGCATTTCCGCAAGGCCCCAGGAACCCCGCACAGC CACACCAAACCTACGTCCGCTCCAAGGGCCGGAAGTTCGAGCGTGCCAGAGGCCGACGG GCCAGCCGAGGCTACAAAACTAACCTGGATCCTACTCTTATTA AAAAGATTTTTGTC TGACAAAAA AAAAAAAAAA AACTCGACTCTAGATTGCGGCCGCGGT CATAGCTGTTTCC TGAACAGATCCCGGTGGCATCCCTGTGACCCCTNCCAGTGCCTCTCTGGCCCTGGAA GTGCCACTCCAGTGCCCAACAGCCTGTCTAATAAAAATAAGTGCATCATNTTGTCTGA CTANGTGCCTTTCTATATATATGGNGTGGAGGGGGGTTGGTATGGAGCAGGGGNNCA GTNGGAAAACACCTGTAGGGCCTGCGGGTCTATTGGGACCAACTGNATGCAGTGCACAAT CTGN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_000979 unedited CGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTGTCAGCAAAAATCTTTTAATAAGA GAGTAGGATCCAGGGTTAGTTTTTGTAGCCTCGGCTGGCCCGTGGCCTCTGGCACGCTC GAACCTCCGGCCCTTGGAGCGGACGTAAGGTTTGGTGTGGCTGTGCGGGTTCTGGGGC CTTGCCGAAATGCCGGTACACCTCTCGGCCCTTGCAGGACCCGGAGAGCAGGACAGTGCC ACAGCCCTTAAGGGAGTCCAGGGCCAGTGGTGC AAAAGTGAAGATCTTGCCCCCTGCCCT GAAGATGCGGCTGCGGGCCCGGCTGGTACGCGCAGTGCACATACCTT CAGTTTGGGTAC CTCCTGAACCCGCACATCATCAGTTATGGTCCCCACAACCACGGCCGTCTGTTTTCCCG GCCAGGAAGCTTCATCTCCGGATCATCCGGGAAAGGGACAGATGCGGCCGTTGGTGGC ACTCATAAACACCTCTCACACAACCTGGTTGAATGTGGAGTTGGTTCTTCTGGCCAGA AACCTGTATAACTTGACCAACAGCCTCAAGTAGATATCCTGGCTCTTGGGCTCCTGGCC CGAACCTTTCAGTCTTGNATGGCAGATGTCCACTCCCATGATGGCCCTNCTGCTCCT CGTGCCGAATTCGCGGCCGCTATAGTGAGTCGTATTACAAATTCCTGAGTTCACTAAA CGAGCTCTGCTATATAGACCTNACCGTACACGCTACCGCCATTTGCGTACGGGGCGGG GTTATTACGACATTTTGGAAAGTCCCGTGATTTTNGTGCCAAACAAACTNCCATGACGT CATGGGGTGGAACTTNGAATCCCGGGAGTCAACCCGTATCCAGCCCATGGGTGACT GCCAAAACGGCTAACCATGGNNATAACGATGACTAATACTAAAGTCTGCCAANTAGGAA TNCCTTAGGTCTTGACTGGCCTATGNCA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_000979
Insert Size:	650 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_000979.2</u> , <u>NP_000970.1</u>
RefSeq Size:	648 bp
RefSeq ORF:	567 bp
Locus ID:	6141
UniProt ID:	<u>Q07020</u>
Cytogenetics:	19q13.33
Domains:	Ribosomal_L18e
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 member of the L18E family of ribosomal proteins that is a component of the 60S subunit. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).</p>