

Product datasheet for **SC119494**

RPL27 (NM_000988) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL27 (NM_000988) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL27
Synonyms:	DBA16; L27
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119494 sequence for NM_000988 edited (data generated by NextGen Sequencing) ATGGGCAAGTTCATGAAACCTGGGAAGGTGGTGTCTGCTCGCTGGACGCTACTCCGGA CGCAAAGCTGTTCATCGTGAAGAACATTGATGATGGCACCTCAGATCGCCCTACAGCCAT GCTCTGGTGGCTGGAATTGACCGCTACCCCGCAAAGTGACAGCTGCCATGGCAAGAAG AAGATCGCCAAGAGATCAAAGATAAAATCTTTGTGAAAGTGTATAACTACAATCACCTA ATGCCACAAGGTAATCTGTGGATATCCCTTGGACAAAAGTGTCTCAATAAGGATGTC TTCAGAGATCCTGCTCTTAAACGCAAGGCCGACGGGAGGCCAAGGTCAAGTTGAAGAG AGATAAAGACAGGCAAGAACAAGTGGTCTTCCAGAACTGCGGTTTTAG Clone variation with respect to NM_000988.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_000988 unedited GGTGCAAATTTTGTAAATACGAACTCACTATAGGGCGGCCGGAATTCGCACGAGGGGTGG TTGCTGCCGAAATGGGCAAGTTCATGAAACCTGGGAAGGTGGTGTCTGTCTGGCTGGAC GCTACTCCGGACGCAAAGCTGTCATCGTGAAGAACATTGATGATGGCACCTCAGATCGCC CCTACAGCCATGCTCTGGTGGCTGGAATTGACCGCTACCCCGCAAAGTGACAGCTGCCA TGGGCAAGAAGAAGATCGCCAAGAGATCAAAGATAAAAATCTTTTGTGAAAGTGTATAACT ACAATCACCTAATGCCCCACAAGTACTCTGTGGATATCCCCTTGGACAAAACCTGTCGTCA ATAAGGATGTCTTCAGAGATCCTGCTCTTAAACGCAAGGCCGACGGGAGGCCAAGGTCA AGTTTGAAGAGAGATACAAGACAGGCAAGAACAAGTGGTTCTTCCAGAACTGCGGTTTT AGATGCTTTGTTTTGATCATTAAAAATTATAAAGAAAAAAAAAAAAAAAAAAAACTCGACTC TAGATTGCGGCCGCGGTATAGCTGTTTCTGAACAGATCCCGGTGGCATCCCTGTGAC CCCTCCCCAGTGCCTCTCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTGTC CTAATAAAATTAAGTTGCATCATTNTGTCTGACTAGGTGTCTTATAATATTATGGGG TGGAGGGGGTGGTATGGAGCAAGGGGCAAGTTGGGAAGACAACCTGTTAGGCCTGCGGG GTCTATTGGGAACCAAGCTGGAGTGCAGTGGCACAATTCTGGCTCACTGCAATCTCCCC TCCTGGGTCCAAGCGATNCTTCTGCCTCAACCTNCCCGANTTGTGGGATTCCAGGCTGG CTGACCAGGCCCAAGTAATTT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_000988 unedited GCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCTTTATAATTTTTATGATCAAA ACAAAGCATCTAAAACCGCAGTTTCTGGAAGAACCCTGTTCTTGCCTGTCTTGTATCT CTCTTCAAACCTTGACCTTGGCCTCCCGTCGGGCCTTGCCTTAAAGAGCAGGATCTCTGAA GACATCCTTATTGACGACAGTTTTGTCCAAGGGGATATCCACAGAGTACCTTGTGGGCAT TAGGTGATTGTAGTTATACACTTTCACAAAAGATTTTATCTTTGATCTCTTGGCGATCTT CTTCTTGCCCATGGCAGCTGTCACTTTGCGGGGTAGCGGTCAATTCCAGCCACCAGAGC ATGGCTGTAGGGGCGATCTGAGGTGCCATCATCAATGTTCTTACAGATGACAGCTTTGCG TCCGGAGTAGCGTCCAGCCAGGACAAGCACCACCTTCCAGGTTTCATGAACTTGCCCAT TTCGGCAGCAACCACCCCTCGTGCCGAATTGCGGGCCGCCCTATAGTGAGTCGTATTACA CAATTCTGACGGTTCACTAAACGAGCTCTGCTTATATAAACCTCCCACCGTACACGCCTA CCGTCCATTTGCGTAACGGGGCCGGGTTATTACCACCTTTTGGAAAGTCCCGTTGTTTTG GTGCCAAAACCAACCTCCATTGGAGGTAATGGGGTGGAGACTCGGGAATCCCCGGAGTCA ACCGTCCCCAGCCCCTGGGTGACTGGCACACCGGCCCCATGGTATAGCATCACTTATA CGAAACGCCCCCATTGCGCCAGCCCCCAGGCGCTGATGGGTTTTATGTTTTTGGCGAT TCTACGGACACGCCGCCAAGGGGCGCCGCGGTACCACCCCTCATCCCCCTCACTCTTA TCCCCGCACTTTCCCCCTACCGTCGTGCAGCCCTCTTGGTTGTTGCGGCCTTCCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_000988
Insert Size:	510 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_000988.2 , NP_000979.1
RefSeq Size:	513 bp
RefSeq ORF:	411 bp
Locus ID:	6155
UniProt ID:	P61353
Cytogenetics:	17q21.31
Domains:	Ribosomal_L27e, KOW, KOW
Protein Families:	Druggable Genome
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 four RNA species and approximately 80 structurally distinct proteins. This gene encodes a member of the L27e family of ribosomal proteins and a component of the 60S subunit. A splice site mutation in this gene has been identified in a Diamond-Blackfan anemia (DBA) patient. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Mar 2017]</p> <p>Transcript Variant: This variant (1) encodes the protein. Variants 1-3 encode the same protein.</p> <p>Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>