

Product datasheet for **SC118292**

RPL15 (NM_002948) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL15 (NM_002948) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL15
Synonyms:	DBA12; EC45; L15; RPL10; RPLY10; RPYL10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118292 sequence for NM_002948 edited (data generated by NextGen Sequencing)

```
ATGGGTGCATACAAGTACATCCAGGAGCTATGGAGAAAGAAGCAGTCTGATGTCATGCGC
TTTCTTCTGAGGGTCCGCTGCTGGCAGTACCGCCAGCTCTCTGCTCTCCACAGGGCTCCC
CGCCCCACCCGGCCTGATAAAGCGCGCCGACTGGGCTACAAGGCCAAGCAAGTTACGTT
ATATATAGGATTCGTGTTGCGCCGTGGTGGCCGAAAACGCCAGTTCCTAAGGGTGCAACT
TACGGCAAGCCTGTCCATCATGGTGTTAACCAGCTAAAGTTTGCTCGAAGCCTTCAGTCC
GTTGCAGAGGAGCGAGCTGGACGCCACTGTGGGGCTCTGAGAGTCCTGAATTCTTACTGG
GTTGGTGAAGATCCACATACAAATTTTTGAGGTTATCCTCATTGATCCATTCCATAAA
GCTATCAGAAGAAATCCTGACACCCAGTGGATCACCAAACAGTCCACAAGCACAGGGAG
ATGCGTGGGCTGACATCTGCAGGCCGAAAGAGCCGTGGCCTTGGAAGGGCCACAAGTTC
CACCACACTATTGGTGGCTCTCGCCGGCAGCTTGGAGAAGGCGCAATACTCTCCAGCTC
CACCGTTACCGCTAA
```

Clone variation with respect to NM_002948.2



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002948 unedited CTCACTATAGGGCGGCCGAATTCGGCACGAGGGGCAGCCATCAGGTAAGCCAAGATGG GTGCATACAAGTACATCCAGGAGCTATGGAGAAAGAAGCAGTCTGATGTCATGCGCTTTC TTCTGAGGGTCCGCTGCTGGCAGTACCGCCAGCTCTCTGCTCTCCACAGGGCTCCCTGCC CCACCCGGCCTGATAAAGCGCCGACTGGGCTACAAGGCCAAGCAAGTTACGTTATAT ATAGGATTCGTGTTCCGCGTGGTGGCCGAAAACGCCAGTTCTAAGGGTGCAACTTACG GCAAGCCTGTCCATCATGGTGTTAACCCAGCTAAAGTTTGCTCGAAGCCTTCAGTCCGTTG CAGAGGAGCGAGCTGGACGCCACTGTGGGGCTCTGAGAGTCTGAATTCTTACTGGGTTG GTGAAGATTCCACATACAAATTTTTTGGAGTTATCCTCATTGATCCATTCCATAAAGCTA TCAGAAGAAATCCTGACACCCAGTGGATCACCAAACCAGTCCACAAGCACAGGGAGATGC GTGGGCTGACATCTGCAGGCCGAAAGAGCCGTGGCCTTGAAAGGGCCACAAGTCCACC ACACTATTGGTGGCTCTCGCCGGGCAGCTTGGAGAAAGCGCAATACTCTCCAGTNCACC GTTACCCTATATAAGTAAAGTTTGTAATTCATACTTATAAACATTTANGACAGTCATG TCTGCTTACAGGNGTATTTGTCTGTAAACTAGTCTGCAGATGTTTCTGAAAATGCTTG TCAATAAGAAAGNTAAGTGCANNTATGTTTGAGACCATAGTGGTGGTTGTATCTGGNTCT ATAAGAAAATTTTTNTGNCCTGCNTATCTTTTAAGGGANNTGTATGTCAGGATAAACATA CTGGGTGGATAACAGGCTNATAATCTTTAAAGGAAGAACTGACAGCCTGGAAATTGGCTG GGCAGGGAGAACC CGCTTTTCGATATGCAGCTCTCGTT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002948 unedited GGCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTAGTTTAAATAGACATTTATTCC TTCAGTTGAACAACCTTACACAATTAATGTATGACTTAAGATCTTTTCTTTTTTTGT GAAGAAATTTAGGTCTCAAGAACTTTTATGAACCTGCTATGAGTACTTCTGGAAATCAA TTAAGTGAAGTCTTTTGAACCCCTAGAGAAGATAGGAGAAAATTGGTTTCAAGACGAGCAT TTAATTAAGTCAAGCAAGTCAAGATTTAAATTTGGGCAATTCCTTGTCTACATTTTCTT TACACTCAAATGACCCTGGACAACAGTAGTCTAGTCTCCTGGAAGACATGGTGCAAACA GAAATGCAATGTGGTGGTATACTCATAGTCAAAGTGGGTGCACAAGTATGGTCCAACTT TGTGGAATGGTAAAGATTTTTAGGGTTGTTTGGCCAGAACAAGAGAAAATAACTGCAGAAA ACACATATGGTTGAAACCATGCGCTTGTGACTTTTTCTGTAGCCTATGGGAGTGGACAG AGTGGGTAACCCAAGATGTTTTAAGACTGACTGGAAGTAAAGTACGACTTATAGCCA ACTACTTCCCCCTAATGTGACTGAAGGGATTCATAATGATCACAATTAGCATTACGGTT AAGTATTTTAGGGTTGAGTCTAAGCTCACACTTGAAGGTATTTATCTAATGGCCACTG GCTCACAGCTTCCCACCTAGCATTCTTGTAGCTTACCAATCTTAAGGGCTAATATT TTATCGCACATTCAACTTCCAAACACACAGTGTACCATTACCACTAATCACTGAATG CCATGAAGCCATGCNCACTGACCAGNAGCTTTCACCTTTTATGTGATTTAAATGGNACT GTGGNAGCTGAGGCANTTTCTTCAGCTACCCAGATTTCTAAGCCCACTAAAGTCTACCCT GCCACTAAAACGCAGCCCTGAAATAACACA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_002948
Insert Size:	1920 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:

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_002948.2](#), [NP_002939.2](#)

RefSeq Size: 2018 bp

RefSeq ORF: 615 bp

Locus ID: 6138

UniProt ID: [P61313](#)

Cytogenetics: 3p24.2

Domains: Ribosomal_L15e

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 four RNA species and approximately 80 structurally distinct proteins. This gene encodes a member of the L15E family of ribosomal proteins and a component of the 60S subunit. This gene shares sequence similarity with the yeast ribosomal protein YL10 gene. Elevated expression of this gene has been observed in esophageal tumors and gastric cancer tissues, and deletion of this gene has been observed 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]

Transcript Variant: This variant (1) encodes the longer isoform (1). Variants 1-5 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.