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Product datasheet for SC119525

RPS15 (NM_001018) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPS15 (NM_001018) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS15
Synonyms:	RIG; S15
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC119525 sequence for NM_001018 edited (data generated by NextGen Sequencing)

ATGGCAGAAGTAGAGCAGAAGAAGAAGCGGACCTTCCGCAAGTTCACCTACCGCGGCGTG
GACCTCGACCAGCTGCTGGACATGTCCTACGAGCAGCTGATGCAGCTGTACAGTGCGCGC
CAGCGGCGGCGGCTGAACCGGGGCCTGCGGCGGAAGCAGCACTCCCTGCTGAAGCGCCTG
CGCAAGGCCAAGAAGGAGGCGCCGCCCATGGAGAAGCCGGAAGTGGTGAAGACGCACCTG
CGGGACATGATCATCCTACCCGAGATGGTGGGCAGCATGGTGGGCGTCTACAACGGCAAG
ACCTTCAACCAGGTGGAGATCAAGCCCGAGATGATCGGCCACTACCTGGGCGAGTTCTCC
ATCACCTACAAGCCCGTAAAGCATGGCCGGCCCGGCATCGGGGCCACCCACTCCTCCCGC
TTCATCCCTCTCAAGTAA

Clone variation with respect to NM_001018.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001018 unedited

GCACGAGGGCAAGATGGCAGAAGTAGAGCAGAAGAAGAAGCGGACCTTCCGCAAGTTCAC
CTACCGCGGCGTGGACCTCGACCAGCTGCTGGACATGTCCTACGAGCAGCTGATGCAGCT
GTACAGTGCGCGCCAGCGGCGGCGGCTGAACCGGGGCCTGCGGCGGAAGCAGCACTCCCT
GCTGAAGCGCCTGCGCAAGGCCAAGAAGGAGGCGCCGCCCATGGAGAAGCCGGAAGTGGT
GAAGACGCACCTGCGGGACATGATCATCCTACCCGAGATGGTGGGCAGCATGGTGGGCGT
CTACAACGGCAAGACCTTCAACCAGGTGGAGATCAAGCCCGAGATGATCGGCCACTACCT
GGGCGAGTTCTCCATCACCTACAAGCCCGTAAAGCATGGCCGGCCCGGCATCGGGGCCAC
CCACTCCTCCCGCTTCATCCCTCTCAAGTAATGGCTCAGCTAATAAAGGCGCACATGACT
CCAAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTCATAGCTGTTTCCTG
AACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGT
TGCCACTCCAGTGCCCACCAGCCTTGTCCTAATAAAATTAAGTTGCATCATTTTGTCTGA
CTAGGTGTCCTTCTATAATATTATGGGGTGGAGGGGGGTGGTATGGAGC

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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001018 unedited
GCGCGCCGCTATCTAGNATCGAGTTTTTTTTTTTTTTTTTTGGAGTCATGTGCGCCTTTA
TTAGCTGAGCCATTACTTGAGAGGGATGAAGCGGGAGGAGTGGGTGGCCCCGATGCCGGG
CCGGCCATGCTTTACGGGCTTGTAGGTGATGGAGAACTCGCCCAGGTAGTGGCCGATCAT
CTCGGGCTTGATCTCCACCTGGTTGAAGGTCTTGCCGTTGTAGACGCCCACCATGCTGCC
CACCATCTCGGGTAGGATGATCATGTCCCGCAGGTGCGTCTTCACCACTTCCGGCTTCTC
CATGGGCGGCGCCTCCTTCTTGGCCTTGCGCAGGCGCTTCAGCAGGGAGTGCTGCTTCCG
CCGCAGGCCCCGGTTCAGCCGCCGCCGCTGGCGCGCACTGTACAGCTGCATCAGCTGCTC
GTAGGACATGTCCAGCAGCTGGTCGAGGTCCACGCCGCGGTAGGTGAACTTGCGNGAGGT
CCGCTTCTTCTTCTGCTCTACTTCTGCCATCTTGCCCTCGTGCCGAATTCGCGGCCGCCC
TATAGTGAGTCGTATTACAAAATTCTGACGGTTCACTAAACGAGCTCTGCTTATATAGAC
CNTCCACCGTACACGCCTACCGNCCATTTGCGTCAACGGGGCGGGGTTATTACGACATTN
NTGAAAGTCCCGTTGATTTTGGGTGCCAAACAAACTNCCATTGACGTCAATGGGGTGGAG
ACTTGGAAATNCCGTGAGTCAAACCGCTATNCACGCCCATTGGTGTACTGCCAAAACCGN
ATCACCATGGTATAGCGATGACTAATACGTANATGTACTGCCCAGTAAGAAAGTCCCGTA
AGGTCATGTACTGGGCATAATGCCAGNCGGGCCATTTACCGTCATTGACGTAATAGGGGG
CGGGACTTGCATATGATCACCTNGATGTACTGCAGTTGGCAGNTACCGTAAAACTCACCC
ATTGACGCATGGGAAGTCTTTGGCGGNCTATGGAACTACTCATATGCTCAAATGGCCGGG
GTTGTGGCGTCACCAGCGGCATTTACGTAGTTTTACGCGACTCAT

Restriction Sites: NotI-NotI

ACCN: NM_001018

Insert Size: 560 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_001018.3, NP_001009.1

RefSeq Size: 531 bp

RefSeq ORF: 438 bp

Locus ID: 6209

UniProt ID: P62841

Cytogenetics: 19p13.3

Domains:	Ribosomal_S19
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 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S19P family of ribosomal proteins. It is located in the cytoplasm. This gene has been found to be activated in various tumors, such as insulinomas, esophageal cancers, and colon cancers. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015] Transcript Variant: This variant (2) uses an alternate 5'-terminal exon, which results in a different 5' UTR and use of an alternate start codon compared to variant 1. It encodes isoform 2, which is shorter than and has a distinct N-terminus compared to isoform 1.