

Product datasheet for **SC119531**

RPS20 (NM_001023) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPS20 (NM_001023) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS20
Synonyms:	S20; uS10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119531 sequence for NM_001023 edited (data generated by NextGen Sequencing) ATGGCTTTTAAGGATACCGGAAAAACACCCGTGGAGCCGGAGGTGGCAATTCACCGAATT CGAATCACCCCTAACAGCCGCAACGTAAAATCCTTGAAAAGGTGTGTGCTGACTTGATA AGAGGCGCAAAAGAAAAGAATCTCAAAGTGAAAGGACCAGTTCGAATGCCTACCAAGACT TTGAGAATCACTACAAGAAAACTCCTTGTGGTGAAGGTTCTAAGACGTGGGATCGTTTC CAGATGAGAATTCACAAGCGACTCATTGACTTGACACAGTCCTTCTGAGATTGTTAAGCAG ATTACTCCATCAGTATTGAGCCAGGAGTTGAGGTGGAAGTCACCATTGCAGATGCTTAA Clone variation with respect to NM_001023.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001023 unedited
 GTCATATTTGTATACGACTCATATAGGGCGGCCGCGATTCCGGCACGAGGCGCGGTTCGTAA
 GGGCTGAGGATTTTTGGTCCGCACGCTCCTGCTCCTGACTCACCGCTGTTTCGCTCTCGCC
 GAGGAACAAGTCGGTCAGGAAGCCCGCGCAACAGCCATGGCTTTTAAGGATACCGGAA
 AAACACCCGTGGAGCCGGAGGTGGCAATTCACCGAATTCGAATCACCTAACAAAGCCGCA
 ACGTAAAAATCCTTGAAAAAGGTGTGTGCTGACTTGATAAGAGGCGCAAAAAGAAAAGAAATC
 TCAAAGTGAAGACCAGTTTGAATGCCTACCAAGACTTTGAGAATCACTACAAGAAAAA
 CTCCTTGTGGTGAAGTTCTAAGACGTGGGATCGTTTCCAGATGAGAATCACAAGCGAC
 TCATTGACTTGACAGTCCCTTCTGAGATTGTTAAGCAGATTACTTCCATCAGTATTGAGC
 CAGGAGTTGAGGTGGAAGTCACCATTGCAGATGCTTAAGTCAACTATTTTAATAAATTGA
 TGACCAGTTGTTAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTATAG
 CTGTTTCTGAACAGACTCCGGGTGGCATCCCTGTGACCCCTCCCAGTGCCTCTCCTTG
 CCCTGGAAGTTGCCACTCCAGTCCCACCAGCCTTGTCTAATAAAATAAGTTGCATTAT
 TTTGTCTGACTAGGTGTCCTTCTATAATATTATGGGGTGAAGCGGGTGGTATGGGAACC
 ACGGGTCCATCTGCGCTAAAAACCTTTTACGTGCCTGTGCGGGCTATCTGGGAACCTCAT
 TCCTGAATGGCAACGGTCCAACATTGGCTTAATTGGATTTTTCTCCTTTTGGTCTTAA
 GCGAATTCCTCCTGCCTTTACACTTTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001023 unedited
 CGGCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTTAACTGGTCATCAATTTA
 TAAAAATAGTTGACTTAAGCATCTGCAATGGTACTTCCACCTCAACTCCTGGCTCAATA
 CTGATGGAAGTAATCTGCTTAACAATCTCAGAAGGACTGTGCAAGTCAATGAGTCGCTTG
 TGAATTCTCATCTGAAAACGATCCCACGCTTATAACCTTCACCACAAGGAGTTTTTCTT
 GTAGTGATTCTCAAAGTCTTGGTAGGCATTGCAACTGGTCCCTTCACTTTGAGATTCTTT
 TCTTTTGCCTCTTATCAAGTCAGCACACACCTTTTCCAAGGATTTTACGTTGCGGCTT
 GTTAGGGTGATTGCAATTCGGTGAATTGCCACCTCCGGCTCCACGGGTGTTTTTCCGGTA
 TCCTTAAAAGCCATGGCTGTTGCGCGCGGGCTTCTGACCGACTGTTTCTCGGCGAGAG
 CGAACAGCGGTGAGTCAGGATCAGGAGCGTGCGGACCAAAAATCCTCAGCCCTTACGACC
 GCGCCTCGTGCCGAATTCGCGGCCGCCCTATAGTGAGTCGTATTACAAAATTCGACGGC
 TCACTAAAACGAGCTCTGCTTATATAGACCTCCCACCGTACACGCCTACCGCCATTGTC
 GTCAACGGAGCGGGTTATTACGACATTTTTGGAAAGTCCCGTTGATTTTGGTGCCAAAA
 CAAACTCCATTGACGTCATGGNGTGGAGACTCGGGAATTTCCGTGAGTCAAACCGCTA
 TCCACGCCATTGGTGTACTGTCAAACCGCATCACCATGTGTATAGCGATGACTAATAC
 CTAGATGTACTGCCAGTAAGAAAGCCCGTAAAGTCATGTACTGGGCTTAATGCCGGCG
 GGCCATTTACCTATTGACGTTAAGGGCCGGACTTGCCTATGATCCCTTGAAGTACTGC
 CAGTGGGCAGTTACAGTAATC

Restriction Sites:

NotI-NotI

ACCN:

NM_001023

Insert Size:

530 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_001023.2](#), [NP_001014.1](#)

RefSeq Size: 539 bp

RefSeq ORF: 360 bp

Locus ID: 6224

UniProt ID: [P60866](#)

Cytogenetics: 8q12.1

Domains: Ribosomal_S10

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 S10P family of ribosomal proteins. It is located in the cytoplasm. This gene is co-transcribed with the small nucleolar RNA gene U54, which is located in its second intron. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Two transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Apr 2009]

Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) has a distinct C-terminus and is shorter than isoform 1.