

Product datasheet for **SC119523**

RPS12 (NM_001016) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPS12 (NM_001016) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS12
Synonyms:	S12
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119523 sequence for NM_001016 edited (data generated by NextGen Sequencing) ATGGCCGAGGAAGGCATTGCTGCTGGAGGTGTAATGGACGTTAATACTGCTTTACAAGAG GTTCTGAAGACTGCCCTCATCCACGATGGCCTAGCACGTGGAATTCGCGAAGCTGCCAAA GCCTTAGACAAGCGCCAAGCCCATCTTTGTGTGCTTGCATCCAAGTGTGATGAGCCTATG TATGTCAAGTTGGTGGAGGCCCTTTGTGCTGAACACCAAATCAACCTAATTAAGTTGAT GACAACAAGAACTAGGAGAATGGGTAGGCCTTTGTAATTTGACAGAGAGGGGAAACCC CGTAAAGTGGTTGGTTGCAGTTGTGTAGTAAAGACTATGGCAAGGAGTCTCAGGCC AAGGATGTCATTGAAGAGTATTTCAAATGCAAGAAATGA

Clone variation with respect to NM_001016.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001016 unedited TATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGGAGGCTTGGGTGCGTTC AAGATTCAACTTCACCCGTAACCCACCGCCATGGCCGAGGAAGGCATTGCTGCTGGAGGT GTAATGGACGTTAATACTGCTTTACAAGAGTTCTGAAGACTGCCCTCATCCACGATGGC CTAGCACGTGGAATTCGCGAAGCTGCCAAAGCCTTAGACAAGCGCAAGCCCATCTTTGT GTGCTTGCATCCAACCTGTGATGAGCCTATGTATGTCAAGTTGGTGGAGGCCCTTTGTGCT GAACACCAAATCAACCTAATTAAGGTTGATGACAACAAGAACTAGGAGAATGGGTAGGC CTTTGTAATAATTGACAGAGAGGGGAAACCCGTAAGTGGTTGGTTGCAGTTGTGTAGTA GTTAAGGACTATGGCAAGGAGTCTCAGGCCAAGGATGTCATTGAAGAGTATTTCAAATGC AAGAAATGAAGAAATAAATCTTTGGCTCACANNNNANAAAAANAAAAAAAAAAAAAAAAAAAA AAAAAAAAANNACCTCGACTCTAGATTGCGGCCGCGGTACATAGCTGTTTCTGAACAGAT CCCGGGTGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACT CCAGTGCCACCAGCCTTGTCTAATAAAAATTAAGTGCATCATNTGTCTGACTAGGTG TCCTTCTATAATATTATGGGGTGGAGGGGGTTGGTATGGAGCAGGGGCAAGTTGGAAA AACAACTGTAGGCCTGCCNGTCTATTGGGAACCAGCTGGAGTGCANGGCACAATCTGG GCTCACTGCATCTCCGCTCTGGGGTACGCGATTCTCCTGCCTACCTCCGGATTGTGGG ATCCAGCATGCTGACCAGCTCACNTATTTTGNTTTTTGAAGAAAGC
Restriction Sites:	NotI-NotI
ACCN:	NM_001016
Insert Size:	520 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_001016.3 , NP_001007.2
RefSeq Size:	532 bp
RefSeq ORF:	399 bp
Locus ID:	6206
UniProt ID:	P25398
Cytogenetics:	6q23.2
Domains:	Ribosomal_L7Ae
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 S12E family of ribosomal proteins. It is located in the cytoplasm. Increased expression of this gene in colorectal cancers compared to matched normal colonic mucosa has been observed. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008]