

Product datasheet for SC119521

RPS9 (NM_001013) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPS9 (NM_001013) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS9
Synonyms:	S9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119521 sequence for NM_001013 edited (data generated by NextGen Sequencing) ATGCCAGTGGCCGGAGCTGGGTTTGTGCGAAACTTATGTGACCCCGGAGACCCCTTC GAGAAATCTCGTCTCGACCAAGAGCTGAAGCTGATCGGCGAGTATGGGCTCCGGAACAAA CGTGAGGTCTGGAGGGTCAAATTTACCTGGCCAAGATCCGCAAGGCCGCCGGGAACCTG CTGACGCTTGATGAGAAGGACCCACGGCGTCTGTTCAAGGCAACGCCCTGCTGCGGCGG CTGGTCCGCATTGGGGTCTGGATGAGGGCAAGATGAAGCTGGATTACATCCTGGGCCTG AAGATAGAGGATTTCTTAGAGAGACGCCTGCAGACCCAGGTCTTCAAGCTGGGCTTGGCC AAGTCCATCCACCACGCTCGCGTCTGATCCGCCAGCGCCATATCAGGGTCCGCAAGCAG GTGGTGAACATCCCGTCTTATTGTCCGCTGGATTCCCAGAAGCACATCGACTTCTCT CTGCGCTCTCCCTACGGGGGTGGCCGCCCGGGCCGCGTGAAGAGGAAGAATGCCAAGAAG GGCCAGGGTGGGCTGGGCTGGAGACGACGAGGAGGAGGATTA
5' Read Nucleotide Sequence:	Clone variation with respect to NM_001013.3 >OriGene 5' read for NM_001013 unedited CACGAGGGTGGTTTGTAGGCGCAGACGGGAAGCGGAGCCAACATGCCAGTGGCCCGG AGCTGGGTTTGTGCGAAACTTATGTGACCCCGGAGACCCCTTCGAGAAATCTCGTCTC GACCAAGAGCTGAAGCTGATCGGCGAGTATGGGCTCCGGAACAAACGTGAGGTCTGGAGG GTCAAATTTACCTGGCCAAGATCCGCAAGGCCGCCGGGAACCTGCTGACGCTTGATGAG AAGGACCCACGGCGTCTGTTCAAGGCAACGCCCTGCTGCGGCGGCTGGTCCGCATTGGG GTGCTGGATGAGGGCAAGATGAAGCTGGATTACATCCTGGGCCTGAAGATAGAGGATTTCT TTAGAGAGACGCCTGCAGACCCAGGTCTTCAAGCTGGGCTTGGCCAAGTCCATCCACCAC GCTCGCGTCTGATCCGCCAGCGCCATATCAGGGTCCGCAAGCAGGTGGTGAACATCCCG TCCTTCATTGTCCGCTGGATTCCCAGAAGCACATCGACTTCTCTGCGCTCTCCCTAC
Restriction Sites:	NotI-NotI



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ACCN:	NM_001013
Insert Size:	690 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_001013.3 , NP_001004.2
RefSeq Size:	753 bp
RefSeq ORF:	585 bp
Locus ID:	6203
UniProt ID:	P46781
Cytogenetics:	19q13.42
Domains:	Ribosomal_S4, S4
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 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 S4P family of ribosomal proteins. It is located in the cytoplasm. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found. As is typical for genes encoding ribosomal proteins, multiple processed pseudogenes derived from this gene are dispersed through the genome. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1), as well as variants 2, 3, and 4, encodes isoform a.</p>