

## Product datasheet for SC119520

### RPS8 (NM\_001012) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RPS8 (NM_001012) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS8
Synonyms:	S8
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119520 sequence for NM_001012 edited (data generated by NextGen Sequencing)

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ATGGGCATCTCTCGGGACAACACTGGCACAAGCGCCGCAAAACCGGGGGCAAGAGAAAGCCC  
TACCACAAGAAGCGGAAGTATGAGTTGGGGCGCCAGCTGCCAACACCAAGATTGGCCCC  
CGCCGCATCCACACAGTCCGTGTGCGGGGAGGTAACAAGAAATACCGTGCCTGAGGTTG  
GACGTGGGGAATTTCTCCTGGGGCTCAGAGTGTGTACTCGTAAAAACAAGGATCATCGAT  
GTTGTCTACAATGCATCTAATAACGAGCTGGTTCGTACCAAGACCCTGGTGAAGAATTGC  
ATCGTGCATCGACAGCACACCGTACCGACAGTGGTACGAGTCCCACTATGCGCTGCC  
CTGGGCCGCAAGAAGGGAGCCAAGCTGACTCCTGAGGAAGAAGAGATTTAAACAAAAA  
CGATCTAAAAAATTCAGAAGAAATATGATGAAAGGAAAAAGAATGCCAAATCAGCAGT  
CTCCTGGAGGAGCAGTTCAGCAGGGCAAGCTTCTTGCCTGCATCGCTTCAAGGCCGGGA  
CAGTGTGGCCGAGCAGATGGCTATGTGCTAGAGGGCAAAGAGTTGGAGTTCTATCTTAGG  
AAAATCAAGGCCCGCAAAGGCAAATAA
```

Clone variation with respect to NM\_001012.1



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_001012 unedited</p> <pre> NGGGGGTTCAGATTTTGTAAATCCGACTCACTATAGGCGGCCGCCGAATTCGCACGAGGCG AGCGATGGGCATCTCTCGGGACAACCTGGCACAAGCGCCGCAAAACCGGGGCAAGAGAAA GCCCTACCACAAGAAGCGGAAGTATGAGTTGGGGCGCCAGCTGCCAACACCAAGATTGG CCCCCGCCGCATCCACACAGTCCGTGTGCGGGGAGGTAACAAGAAATACCGTGCCTGAG GTTGGACGTGGGAATTTCTCTGGGGCTCAGAGTGTGTACTCGTAAAAACAAGGATCAT CGATGTTGTCTACAATGCATCTAATAACGAGCTGGTTCGTACCAAGACCCTGGTGAAGAA TTGCATCGTGCTCATCGACAGCACACCGTACCGACAGTGGTACGAGTCCCACTATGCGCT GCCCTGGGCCGCAAGAAGGGAGCCAAGCTGACTCCTGAGGAAGAAGAGATTTTAAACAA AAAACGATCTAAAAAATTCAGAAGAAATATGATGAAAGGAAAAAGAATGCCAAAATCAG CAGTCTCCTGGAGGAGCAGTTCAGCAGGGCAAGCTTCTTGCGTGCATCGCTTCAAGGCC GGGACAGTGTGGCCGAGCAGATGGCTATGTGCTAGAGGGCAAAGAGTTGGAGTTCTATCT TAGGAAAATCAAGCCCGCAAAGGCAAATAAATCCTTGTGTTTGTCTTACCCATGTAATA AAGGTGTTTATTGTTTGTCCCAAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGC CGCGGTATAGCTGTTTCTGAACAGATCCCGGTGGCATCCCTGTGACCCTCCCATGCT CTCTCTGGCCCTGNAAGTTGCCACTCCAGTGCCACCAGCCTTGTCTAATAAATTAAG T </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_001012 unedited</p> <pre> GACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGGGAACAAAACAATA AACACCTTTATTACATGGGGTGAAGACAAAACAAGGATTTATTTGCCTTTCGGGCTTG ATTTTCTAAGATAGAACTCCAACCTTTGCCCTCTAGCACATAGCCATCTGCTCGGCCA CACTGTCCCGCCTTGAAGCGATGCACGCAAGAAGCTTGCCTGTGGAAGTGTCTCTCC AGGAGACTGTGATTTTGGCATTCTTTTCCTTTCATCATATTTCTTCTGAATTTTTTTA GATCGTTTTTTGTTAAAATCTTCTTCTCCTCAGGAGTCAGCTTGGCTCCCTTCTGCGG CCCAGGGGCGAGCATAGTGGGACTCGTACCACTGTGCGGTACGGTGTGCTGTCGATGAGC ACGATGCAATTCTTACCAGGGTCTTGGTACGAACCAGCTCGTTATTAGATGCATTGTAG ACAACATCGATGATCCTTGTGTTTACGAGTACAACACTCTGAGCCCCAGGAGAAATCCCC ACGTCCAACCTCAGGGCACGGTATTTCTTGTTACCTCCCCGACACGGACTGTGTGGATGC GGCGGGGGCCAATCTTGGTGTGGCAGCTGGGCGCCCAACTCATACTCCGCTTCTTGT GGTAGGGCTNTCTTTGCCCCCGGTTTTGCGGCGCTTGTGCCAGTTGTCCCGAGATGTC CCATCGCTCGCCTCGTGGCGAAATCGCGGGCGCCCTATAGTGAAGTGTATACAAATTCG ACGGGTAATAAGAGCTCTGCTATATAGACCTCCACCGTACACGCTACGNCCATTGCGTA CGGGGCGGGGATTACGACATTGGAAAAGTCCGTGATNTTGTGGCAAACAACCTCTATGC GCATGGGGGGGAAGTGGGAATCCCGGG </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001012
<b>Insert Size:</b>	740 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001012.1</a> , <a href="#">NP_001003.1</a>
<b>RefSeq Size:</b>	705 bp
<b>RefSeq ORF:</b>	627 bp
<b>Locus ID:</b>	6202
<b>UniProt ID:</b>	<a href="#">P62241</a>
<b>Cytogenetics:</b>	1p34.1
<b>Domains:</b>	Ribosomal_S8e
<b>Protein Pathways:</b>	Ribosome
<b>Gene Summary:</b>	<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 S8E family of ribosomal proteins. It is located in the cytoplasm. Increased expression of this gene in colorectal tumors and colon polyps compared to matched normal colonic mucosa has been observed. This gene is co-transcribed with the small nucleolar RNA genes U38A, U38B, U39, and U40, which are located in its fourth, fifth, first, and second introns, respectively. 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]</p>