

Product datasheet for **SC119533**

RPS23 (NM_001025) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPS23 (NM_001025) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS23
Synonyms:	BTDD; MABAS; MCINS; PAMAS; S23; uS12
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119533 sequence for NM_001025 edited (data generated by NextGen Sequencing)

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ATGGGCAAGTGTCTGACTTCGTACTGCTAGGAAGCTCCGTAGTCACCGACGAGACCAG
AAGTGGCATGATAAACAGTATAAGAAAGCTCATTGGGCACAGCCCTAAAGGCCAACCCCT
TTTGGAGGTGCTTCTCATGCAAAAGGAATCGTGCTGGAAAAAGTAGGAGTTGAAGCCAAA
CAGCCAAATTCTGCCATTAGGAAGTGTGAAGGGTCCAGCTGATCAAGAATGGCAAGAAA
ATCACAGCCTTTGTACCCAATGACGGTTGCTTGAACCTTTATTGAGGAAAATGATGAAGTT
CTGTTGCTGGATTTGGTCGAAAGGTCATGCTGTTGGTGATATTCCTGGAGTCCGCTTT
AAGTTGTCAAAGTAGCCAATGTTTCTCTTTGGCCCTATACAAAGGCAAGAAGGAAAGA
CCAAGATCATAA
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Clone variation with respect to NM_001025.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001025 unedited</p> <pre> CTTTTGTATACGACTCCTATAGGCGGCCGCGACATTTCGCACGAGCGCCGACAGGATGGGC AAGTGTGCTGGACTTCGTAAGCTAGGAAAGCTCCGTAGTCACCGACGAGACCAGAAGTGG CATGATAAACAGTATAAGAAAGCTCATTGGGCACAGCCCTAAAGGCCAACCCCTTTTGA GGTGCTTCTCATGCAAAAAGGAATCGTGCTGGAAAAAGTAGGAGTTGAAGCCAAACAGCCA AATTCTGCCATTAGGAAGTGTGAAGGGTCCAGCTGATCAAGAATGGCAAGAAAAATCACA GCCTTTGTACCCAATGACGGTTGCTTGAACCTTTATTGAGGAAAAATGATGAAGTTCTGGTT GCTGGATTTGGTCGCAAAGGTCATGCTGTTGGTGATATTCTGGAGTCCGCTTTAAGGTT GTCAAAGTAGCCAATGTTTCTCTTTTGGCCCTATACAAAGGCAAGAAGGAAAGACCAAGA TCATAAATATTAATGGTGAACACTGTAGTAATAAATTTTCATATGCCAAAAAAAAAAAA AAAAAACTCGACTCTAGATTGCGGCCGCGGTCAAGCTGTTTCTGAACAGATCCCGGG TGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGCCCTGNAAGTTGCCACTCCAGT CCCACCAGCCTTGTCTAAAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGCCTTCT ATATATATGGGGAGNGGGGGNNNNNNNNNNNCAAGGGGCCAANNTNGGAAAAACAC CTTGAGGCCCGGGGGGGTATTTGGGAACCAACTTGAAGGGCGGGGCACAATCTTGGCT ACTGCATCCTCGCTTCTGGGTCAGCGATTCTCTGCTCACTCCCGAATTTGGGGGGGATC CAGCTGCTGACAGCT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001025 unedited</p> <pre> ATCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGCATATGAAAATTTA TTACTACAGTGTTTTACCATTAAATTTATGATCTTGGTCTTTCCTTCTGCCTTTGTA TAGGGCCAAAAGAGAAACATTGGCTACTTTGACAACCTTAAAGCGGACTCCAGGAATATC ACCAACAGCATGACCTTTGCGACCAATCCAGCAACCAGAACTTCATCATTTTCTCAAT AAAGTTCAAGCAACCGTCATTGGGTACAAGGCTGTGATTTTCTGCCATTCTTGATCAG CTGGACCTTACACACTTCTAATGGCAGAATTTGGCTGTTTGGCTTCAACTCCTACTTT TTACAGCACGATTCTTTTGCATGAGAAGCACCTACAAAAGGGTTGGCCCTTTAGGGCTG TGCCCAAATGAGCTTTCTTATACTGTTTATCATGCCACTTCTGGACTCGACGGTGACTAC GGAGCTTGCTAGCAGTGCGAAGTACACGACACTTGCCATCCTGACGGCGCTCGTGCCGA ATTCACGGCCGACCTATAGTGAGAGGCATTACAAAATACTGACGGTTAACTAAACGAGCT CTGCTTATATAGACCTGCCACCGTACACCGCCTACCGACATTTGCGAAAACGGGGCGGG GTTATTACCACATTTTGGGAAAGCACCGTGATTTTGGCGCCAAAACAACTCCATTGACG ACAATGGGGGAAGACTGGGAAATGCCCGTGAGCCAAACCGGTTTCCCAGCCCCTTGGTG GACTGCCCAACCCCTCCCCATGAAAATAGCGAGGACTAATACGCGAAGTCTGCCCAAT AGGAAAACCCCCAAGACCTGTACGGGCCATATGCCAGGCGGACCATTACGAGGTGCCCC ACGTAG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001025
Insert Size:	580 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_001025.4 , NP_001016.1
RefSeq Size:	3325 bp
RefSeq ORF:	432 bp
Locus ID:	6228
UniProt ID:	P62266
Cytogenetics:	5q14.2
Domains:	Ribosomal_S12
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 S12P family of ribosomal proteins. It is located in the cytoplasm. The protein shares significant amino acid similarity with <i>S. cerevisiae</i> ribosomal protein S28. 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>