

Product datasheet for **SC123819**

RPL23 (BC034378) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL23 (BC034378) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL23
Synonyms:	L23; rpL17
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC034378 edited
TCAAGATGTGCGAAGCGAGGACGTGGTGGGTCTCTGGTGC GAAATTCGGATTCCTTGG
GTCTTCCGGTAGGAGCTGTAATCAATTGTGCTGACAACACAGGAGCCAAAAACCTGTATA
TCATCTCCGTGAAGGGGATCAAGGGACGGCTGAACAGACTTCCCCTGCTGGTGTGGGTG
ACATGGTGATGGCCACAGTCAAGAAAGGCAAACCAGAGCTCAGAAAAAGGGTGAGTAAA
CACTGAGCCCACCTTAATACTGATGAGTAGTGGGGGACGCTTTCCTTTATTGAAAAATG
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TCTGTCGCCAGCCATACTGGAGTGAATGGCACGATCTTGGCTCACTGCAACCTCTGC
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AGCTTTGATTTAAGATGTGAATAGATGATCGTGGTTCATGCCTATACTCCCTATACTCC
CAGCACTTTGGGAGGCCAGGCTTGCCAACATGGCAAAACCCTGTCTCTATGAAAAA
AAAAATCTGGGCATGGTAGTGTGCACCTGTAGTCCAAGATACTAGAGAGGCTGAGGTGGG
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TGCTAGTTGAAAACCTGCTTTTGTGGTGGCACTGCGACTTGACAGGTTAATGACTGCTGT
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CATGTTTTATTTATTTATTTATTTTATTTTAAATGCAGGTTCTGCCATTACAGGACCAG
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AGAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC034378 unedited CAGAATTTTGTAAATACGACTTCACTATAGGGCGGCCGCGATTCCANATCTGGTACCGGTCC GGAATTCCTCCGGGATTCAAGATGTCCAAGCGAGGACGTGGTGGTCTCTGGTGCGAAATT CCGGATTTCTTTGGGTCTCCGGTAGGAGCTGTAATCAATTGTGCTGACAACACAGGAGC CAAAAACCTGTATATCATCTCCGTGAAGGGATCAAGGGACGGCTGAACAGACTTCCC TGCTGGTGTGGGTGACATGGTGTGGCCACAGTCAAGAAAGGCAAACCAGAGCTCAGAAA AAAGGGTGAGTAAACACTGAGCCACCTTAATACTGATGAGTAGTGGGGGACGCTTTCC TTTATTGGAAAATGGATCAGTTTTCAAGCCTCAAGTTTGTTCATTGAGAGGCAGTG TGAGATAAGTATCTTAAGTTTTGCTCATATTGTGTTGGAGGGGGACCATCATCTTGT ACTTCCATACCTTAGTTGTTTTTTGATGTTGTTTTGTTTTGTTTTGTTTTGTTTTG AGATGGAGTCTCTCTGTGCGCCAGCCATACTGGAGTGCAATGGCAGCATCTGGCTC ACTGCAACCTCTGCCTCTGGGCTCTCAGAAAAATATATTACANAACGAAAACNAGCTG CCC GTTGCATATTCAATATTTGTTTTGAGATGAGTCTACTTGGTGGCCAGGCTGGAGTGC ATGGCAAATATCTGTTACTGAACCTCCACCTCCGGCTAAAAAATGTCTGCCTTAGCTC CAAATAGCTGGGATCATAGTGTCCACCCACACCGCTAATTGGCTATTACTAATCGAAG GCCCCCAATCAAATTTTCTGGCAGGGTTGATTTAAAGGGGGAGGGCTAAAAATTTG GGCTTGGGGCCGCGGGTTAAAAATTTGG
Restriction Sites:	Please inquire
ACCN:	BC034378
Insert Size:	2800 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:	<u>BC034378.1</u>
RefSeq Size:	2796 bp
Locus ID:	9349
Cytogenetics:	17q12
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 60S subunit. The protein belongs to the L14P family of ribosomal proteins. It is located in the cytoplasm. This gene has been referred to as rpl17 because the encoded protein shares amino acid identity with ribosomal protein L17 from *Saccharomyces cerevisiae*; however, its official symbol is RPL23. 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]