

Product datasheet for **SC102477**

RPS24 (AK094613) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPS24 (AK094613) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS24
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK094613, the custom clone sequence may differ by one or more nucleotides

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AAATAGAAAATTTTTGAGGTAATTATGTATTCATATAAAAGTCTTTGGTGGATATGCTTTTTCCACAAG
CACTTGGTTAGAATGGCCATTACCTCATTGTTATTTTTGAGACAGGGTCTCTTGTCACCCAGGCTG
GAGTACAGTGGCATGATCATGGGTTACTGTACCTCCCTGGCTGGGTGATTCTCCACCTCAGCCTCCCT
TGTAGCTGCGACTACAGGCATGTGCCACCGTGCCCTGCCAATTTTTGTAGAGACAGGATTTAGCCGTGT
TGCTCAGGCTGCTCTTGAACCTCCCGACTTGAGCAGTCTGCTTGTCTAAGCCTTCCAAGTGCTGGGATT
ACAGGTGTGAGCCACTGTGCCAGCCTGTACCTCATTTAAAACAAATTTGCACATCTGAACAGCCTAA
AATTGTAATGTGATAAGTGGGTAGGAGTGGGGTGGGCGTAGTGGGATTTGAATCAATGAAGGCCCTTG
TTCTTGTGGCATCTTTGCAGTGATCCCTGCCAGGCAAGGCAGTAAACCTGGGATTGCCTGCCAGGA
CTGTAATCACATTGATGTCCAGCGCCATGGAGTATGTAATGAATGAAGTCCAGCAGAATACTACTACTA
AGAATACTCCCTGTTTGTGAGGATTGTACCTGTTGAGAGAAGTTGCAAAAAGAATTAGTCAAAAAGATT
AGTCAAACTTGCCTCTGACCTAGGTCTGAAGGACATTTAACACATTGATTGTTCTCTTCATCCAGCCT
TTGAGCCCTATGAGTTAGTGCCCTTAGCCTTTGAGTCCCACAGGTATGGAGGAGCTACCTGTGGGACCT
GAGCCATCACTATTCTGCTTCAAGTTACTGCTGCCTCTCACTAGCACTGCTCTGAAAAGCCAGCTGG
AAAAATCAATGCATTTGAGTACATAAATCTTTGGCTCCAAAGAAATGCCATAGCAATATTGCTTTTAAT
TCAGTTTTGTTTAGATGTTAGAATTGGTATTTGTTCTTGGCTTTTGGTTGCGATGGAGTTATATACTAAG
TTACTTATACTAAGGCATTAGTAGTCTCATATCTGAGGAGCAATTGTATTTTAGTTCAGCTAAATTAAT
GCCTCTTTTAAATACTAACTTGTACTACTTTTGGCTGTGAATGGTATCTTTTATTGAACTGAGGCAG
CTTTTAAAAGACTTGCCTGATCATTAGAGCACTCCCATTGAGGTTAAATTAGACTTGAATCTGTAATGA
TTCTCGTAACTGTTCTGGTGTGTCCAGTACAATGTTGCTGGCAGAGCAGAGGGGCAGAGGCTCAGG
TATGTACTTCATTGACAAGTGGGCAAGGCCATCCTGGGTACCACATTGGCTTAATGATCTTTCATTGTG
AAGTCCGGCTACCTCGTTTGCATAAGAAGTACAGTAAATCAGGCAAGGCATTGTCAGAATTGGGAGGAATA
AAATCAGTGAGTCTGGAAGGAGTCTGTATACAATTGCAAAGAACAAAATGGTCATCTTAAAGGTACC
TGATTGCATGCACTTAAATGCAGATTTTTGGAGTTTAAAAGGGACTATTAATGAAATCTTTCTTTTC
CCTCCTTCTCTTTTCCCTTCCCCGCCACTGATTCAGTGAAGTGGGACTGACGTAGCAATTTAAAAGCAGATCA
AGCTTTTCATGTAGTATGTAGATCACTAGACTCCTTGGTGTACTGACGTAGCAATTTAAAAGCAGATCA
TGTGTAGTACATCTAGAAGTAGATTTACAATATTCTGAAGAGTTGTAACTTTTAAAATACTAACAGTG
ACATGGTTTTGTTTTAAGGTTTAGCAATTTAGCCATTATTTTGTATTTTCTTAACTTGAATGTT
TGTAATTTTATTTCTTGATGCTTTCATTGTGTTATGATAACATCAAAATAACTTGATATTCTAGGTTAC
TAATAATTGTTGTGCATGAGTGTACTACTTTTGAATTGAAGACTTTAAAGAATTTTAAAGGCAGTTGT
TGACTAACTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT
CTGTGGATTTTTCGCAAGAACATTAATAAACTAAAACTTCATGTG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for AK094613 unedited</p> <pre> NGGGGTGACATTTTGTATACGACTCACTATAGGCGGCCGCGATTTCGGCACGAGGCGACT ACAGGCATGTGCCACCGTGCCCTGCCAATTTTTGTAGAGACAGGATTTAGCCGTGTTGC TCAGGCTGCTCTTGAACCTCCCGACTTGAGCAGTCTGCTTGTCTAAGCCTTCCAAAGTGC TGGGATTACAGGTGTGAGCCACTGTGCCAGCCTGTTACCTCATTAAAAACAAATTTTGC ACATCTGAACAGCCTAAAATTGTAATGTGATAAGTGGGGTAGGAGTGGGGTGGCCGTAGT GGGATTTTGAATCAATGAAGCCCTTGTCTTGTGGCATCCTTTTGCAGTGATTCCCTGC CAGGCAAGGCAGTAAACCTGGGATTGCCTGCCAGGACTGTAATCACATTGATGTCCAG CGCCATGGAGTATGTAATGAATGAAGTCCAGCAGAACTACTCACTAAGAATACTCCCT GTTTGTGAGGATTGTACCTGTTGAGAGAAGTTGCAAAAAGAATTAGTCAAAAAGATTAGT CAAAATTTGCTCTGACCTAGGTCTGAAGGACATTTAACACATTGATTGTTCTCTTCAT CCAGCCTTTGAGCCCTATGAGTTAGTGCCCTTAGCCTTTGAGTCCCACAGGTATGGAGGA GCTACCTGTGGGACCTGAGCCATCACTATTCCTGCTTACAGTTACTGGTGCCTCTCAC TAGCACTGCTCTGAAAAGCCAGCTGAAAAATCAATGCATTTGAGTACATAAATCTTTG GCTNCAAGAAATGCCATANCATATTGCTTTTAAATTCAGTTTGTAGATGTTAGAATGGG GATTGNTCTTGCTTTTTGGTTGGCATGGAGTATATACTAAGTTCCTATACTAAGGCATAG TAGTCTCATATCTGAG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for AK094613 unedited</p> <pre> NNNNNGGGTTCTACTATGNNACCGCGCCGCATNCTAGNGATCGATTTTTTTTTTTTTTTT TTTTTTTTTTTTCACATGAAGTTTTTAGTTTATTAATGTTCTTTCGCAAAAATCCCAGTGGC CACAGCTAACATCATTGCAGCACCTTTACTCCTTCGGCTGTGATCCAATCTCCAGCTCAC TGAATCAGTGGCGGGAAAGGGAAAAAGAGAAAGGAGGGAAAAAGAAAAATTCATTAAATAG TCCTTTTCAAACCTCAAATAATCTGCATTTAAGTGCATGCAATCAGGTACCTTAAAGA TGACCATTTTGTCTTTGCAATTGTATACAGAGCACTCCTCCAGACTCACTGATTTTAT TCCTCCCAATTCTGACAATGCCTTGCTGATTACTGTAGTTCTTATGCAAACGAGGTAGC CGGACTTCACAATGAAGAGATCATTAAAGCAATGTGGTACCCAGGATGGCCTTGCCCACT TGTCATGAAGTACATACCTGAGCCTCTGCCCTCTGCTCTGCCAGCAACATTGTGCTG GACACACACCAGGAACAGTTACGAGAATCATTACAGATTCAAGTCAATTTAACCTCAAT GGGAGTGCTCTAAATGATCAGGCAAGTCTTTTAAAAGCTGCCTCAGTTCAATAAAAAGATA CCATTCACAGCCAAAAAGTAGTACAAGTTAGTATTTAAAAAGAGGCATTAATTTAGCTG AACTAAAAATACAATTGCTCCTCAGATATGAGACTACTAATGCCTTAGTATAAGTAACTT AGTATATAACTCCCTCGCAACCAAAAAAGCAAGCAAAATACCAATTCTAACATCTAAACAA AACTGAATTAAGCAATATTGCTATGGCATTCTTTGGA </pre>
Restriction Sites:	NotI-NotI
ACCN:	AK094613
Insert Size:	1650 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:

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: [AK094613.1](#)

RefSeq Size: 2146 bp

RefSeq ORF: 2146 bp

Locus ID: 6229

Cytogenetics: 10q22.3

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 S24E family of ribosomal proteins. It is located in the cytoplasm. Multiple transcript variants encoding different isoforms have been found for this gene. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Mutations in this gene result in Diamond-Blackfan anemia. [provided by RefSeq, Nov 2008]