

Product datasheet for **SC326323**

RPS6KC1 (NM_001136138) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPS6KC1 (NM_001136138) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS6KC1
Synonyms:	humS6PKh1; RPK118; RSKL1; S6K-delta-1; S6PKh1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001136138, the custom clone sequence may differ by one or more nucleotides

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ATGACCTTTACCGGGAGCGAGTGCCGACCTGGCCCGTTTCTACTGTACCCGAGCCC  
CAGCGACACCCGAGGGGCTACACAGTATATAAGGTACCCGCCGGATAATTGTATGGAAG  
AGATACAGTGATTTAAGAACTACACAAAGAACTATGGCAAATTCACAAAACTTATTC  
CGACATTCAGAGTTGTTTCTCCATTTGCTAAAGGAATAGTGTGGGCGATTTGATGAA  
ACTGTTATCGAAGAGAGAAGACAATGTGCTGAAGACCTGTACAGTTCTCTGCCAATATT  
CCTGCTCTTACAATAGTAAACAGCTTGAAGACTTTTTCAAGGGTGAATAATTAATGAT  
AGTTCTGAATTAATTGGTCTGTGAAGCTCACTCAGATTCCTCATTGATACCTTTCTCT  
GAGTGTAGTACGGAAGGCTTCTCCAGTGACAGTGATCTGGTATCTTACTGTTGATGTG  
GATTCTCTTGCTGAGTTAGATGATGGAATGGCTTCCAATCAAATTTCTCCATTAGA  
TTTGGTCTCAATCTTTCTCGGATTCTTCAGCACTAGGGGCTGTTGCTTCTGACAGTGAA  
CAGAGCAAACAGAAAGAAACGGGAAAGTCGTAGCCTCTTCTCGGCAGTTTAAAGCCG  
AAGCTTGGCAAGAGAGATTATTTGGAGAAAGCAGGAGAATTAATAAAGCTGGCTTTAAA  
AAGGAAGAAGAAGACGACTATGAAGCTGCTTCTGATTTTTATAGGAAGGGAGTTGATTTA  
CTCCTAGAAGGTGTTCAAGGAGAGTCAAGCCCTACCCGTCGAGAAGCTGTGAAGAGAAGA  
ACAGCCGAGTACCTCATGCGGGCAGAAAGTATCTCTAGTCTTTATGGGAAACCTCAGCTT  
GATGATGTATCTCAGCTCCAGGATCACTAAGTTCAAGGCCCTTTGAAACCTAAGGAGC  
CCTGCCGAGGAGCTGAAGGCCTTCAGAGTCTTGGGGTGATTGACAAGGTTTTACTTGTA  
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AGCAGGAACAGAAAGACCATCATCCCCGCTGTGTGCCCAACATGGTGTGTCTGCATAAG  
TACATCATCTCTGAGGAGTCAGTATTTCTTGTGCTGCAGCATGCGGAAGGTGGCAAACCTG  
TGGTCATATATCAGTAAATTTCTAAACAGAAAGTCTGAAGAAAGCTTTGACATCAAGGAA  
GTGAAAAAACCTACTTGCAAAAGTTCACCTGCAGCAGCAACTCTAGTCTCAGGAC  
AGCAGTAGCTTTGAATCCAGAGGAAGTGTGGTGAAGCATGCTTAAAGCTCTGCCTTTG  
AAGAGTAGTCTTACTCCAAGTTCTCAAGATGACAGCAACCAGGAAGATGATGGCCAAGAT  
AGCTCTCAAAGTGGCCAGATTCTGGTTCAAGTTCAGAAGAAGAATGACTACTAGTTAT  
TTAACATTATGCAATGAATATGGGCAAGAAAAGATTGAACCAGGGTCTTTGAATGAGGAG  
CCCTTCATGAAGACTGAAGGGAATGGTGTGATACAAAAGCTATTTAAAGCTTCCAGCA  
CACCTTGCTGCTGACAGTGACAGCCCCAGCACACAGCTGAGAGCTCACGAGCTGAAGTTC  
TTCCCCAACGATGACCCAGAAGCAGTTAGTTCTCCAAGAACATCAGATTCCTCAGTAGA
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TCAAAAAATAGCCCCATGGAATTCCTTAGGATAGACAGTAAAGGATAGCGCAAGTGAACCTC
CTGGGACTTGACTTTGGAGAAAAATTGTATAGTCTAAAATCAGAACCTTTGAAACCATTC
TTTACTCTCCAGATGGAGACAGTGCTTCTAGGAGTTTTAATACTAGTGAAAGCAAGGTA
GAGTTTAAAGCTCAGGACACCATTAGCAGGGGCTCAGATGACTCAGTGCCAGTTATTTCA
TTTAAAGATGCTGCTTTTGATGATGTCAGTGGTACTGATGAAGGAAGACCTGATCTTCTT
GTAATTTACCTGGTGAATTGGAGTCAACAAGAGAAGCTGCAGCAATGGGACCTACTAAG
TTACACAAAATAATATAGGGATAATAGAAAATAAACTTTGGAAGCCCTGATGTTTTA
TGCTCAGGCTTAGTACTGAACAATGCCAAGCACATGAGGAGAAAGGCATAGAGGAACTG
AGTGATCCCTCTGGGCCAAATCCTATAGTATAACAGAGAAACACTATGCACAGGAGGAT
CCCAGGATGTTATTTGTAGCAGCTGTTGATCATAGTAGTTCAGGAGATATGTCTTTGTTA
CCCAGCTCAGATCCTAAGTTTCAAGGACTTGGAGTGGTTGAGTCAGCAGTAACTGCAAAC
AACACAGAAGAAAGCTTATTCCTATTTGTAGTCCACTCTCAGGTGCTAATGAATATATT
GCAAGCACAGACACTTTAAAAACAGAAGAAGTATTGCTGTTTACAGATCAGACTGATGAT
TTGGCTAAAGAGGAACCAACTTCTTTATCCAGAGAGACTCTGAGACTAAGGGTGAAGT
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TTAGCACTAGCCTCCAGGTTTTACATCCCAGAGGGCTGCATTCAAAGATGGGCAGCTGAA
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AACACATCTTATTGAATGATAGAGGACACATTACGTAACGTATTTAGCAGGTGGAGT
GAGGTTGAAGATTCCTGTGACAGCGATGCCATAGAGAGAATGACTGTGCCCCAGAGGTT
GGAGCAATCACTGAAGAACTGAAGCCTGTGATTGGTGGAGTTTGGGTGCTGTCTCTTT
GAATTTCACTGGCAAGACTCTGGTTGAATGCCATCCAGCAGGAATAAATACTCACACT
ACTTTGAACATGCCAGAATGTGTCTCTGAAGAGGCTCGCTCACTCATTCAACAGCTCTTG
CAGTTCAATCCTCTGGAACGACTTGGTGTGGAGTTGCTGGTGTGAAGATATCAATCT
CATCCATTTTTTACCCTGTGGATTGGCAGAAGTACTGATGAGA
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- Restriction Sites:** Please inquire
- ACCN:** NM_001136138
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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:** [NM_001136138.1](#), [NP_001129610.1](#)
- RefSeq Size:** 4170 bp

RefSeq ORF: 3165 bp

Locus ID: 26750

UniProt ID: [Q96S38](#)

Cytogenetics: 1q32.3

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: Sphingosine kinase catalyzes the formation of sphingosine 1 phosphate, a lipid cellular messenger. The protein encoded by this gene can bind to sphingosine kinase and to phosphatidylinositol 3-phosphate, suggesting a role in sphingosine 1 phosphate signaling. The encoded protein can also bind to peroxiredoxin-3 and may help transport it to mitochondria. [provided by RefSeq, Mar 2017]
Transcript Variant: This variant (2) lacks an in-frame exon in the 5' coding region, compared to variant 1. The encoded isoform (b) is shorter, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.