

Product datasheet for **SC115380**

RPS6KC1 (NM_012424) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPS6KC1 (NM_012424) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPS6KC1
Synonyms:	humS6PKh1; RPK118; RSKL1; S6K-delta-1; S6PKh1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_012424, the custom clone sequence may differ by one or more nucleotides

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ATGACCTCTTACCGGGAGCGGAGTGCCGACCTGGCCCGTTTCTACACTGTCACCGAGCCCCAGCGACACC
CGAGGGGCTACACAGTATAAAGGTCACCGCCCGGTTGTTTACGAAGAAATCCAGAGGATGCCAGGA
GATAATTGTATGGAAGAGATACAGTGATTTAAGAACTACACAAGAAGTATGGCAAATTCACAAAAAC
TTATCCGACATTAGAGTTGTTTCTCCATTTGCTAAAGGAATAGTGTTTGGGCGATTTGATGAAACTG
TTATCGAAGAGAGAAGACAATGTGCTGAAGACCTGCTACAGTTCTCTGCCAATATTCCTGCTCTTTACAA
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TCAAGCCCTACCCGTCGAGAAGCTGTGAAGAGAAGAACAGCCGAGTACCTCATGCCGGCAGAAAAGTATCT
CTAGTCTTTATGGGAAACCTCAGCTTGATGATGTATCTCAGCCTCCAGGATCACTAAGTTCAAGGCCCT
TTGGAACCTAAGGAGCCCTGCCGAGGAGCTGAAGGCCCTCAGAGTCTTGGGGTATTGACAAGGTTTTA
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GGAACAGAAAGACCATCATCCCCGCTGTGTGCCAACATGGTGTGTCTGCATAAGTACATCATCTCTGA
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AGCAGCCAACTTCTAGTCTCAGGACAGCAGTAGCTTTGAATCCAGAGGAAGTGTGGTGAAGCATGCT
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ACATCTTATTGAATGATAGAGGACACATTCAGCTAACGATTTTGTAGCAGGTGGAGTGAAGATTCTC
CTGTGACAGCGATGCCATAGAGAGAATGTACTGTGCCCCAGAGGTTGGAGCAATCACTGAAGAACTGAA
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ATCCAGCAGGAATAAATACTCACACTACTTTGAACATGCCAGAATGTGTCTCTGAAGAGGCTCGCTCACT
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AAATCTCATCCATTTTTTACCCCTGTGGATTGGGCAGAACTGATGAGATGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012424 unedited
 NGGTCGAATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACAGGCCTCGTGCCG
 AATTCGGCAGCAGGAAAGATGAACCAGGGTCTTTGAATGAGGAGCCCTTCATGAAGACTG
 AAGGGAATGGTGTGATACAAAAGCTATTTAAAGCTTCCCAGCACACCTTGCTGCTGACA
 GTGACAGCCCCAGCACACAGCTGAGAGCTCACGAGCTGAAGTTCTTCCCCAACGATGACC
 CAGAAGCAGTTAGTTCTCCAAGAATCAGATTCCTCAGTAGATCAAAAAATAGCCCCA
 TGGAAATCTTTAGGATAGACAGTAAGGATAGCGCAAGTGAACCTCTGGGACTTGACTTTG
 GAGAAAAATTGTATAGTCTAAAATCAGAACCTTTGAAACCATTCTTACTCTTCCAGATG
 GAGACAGTGCTTCTAGGAGTTTTAATACTAGTGAAGCAAGGTAGAGTTTAAAGCTCAGG
 ACACCATTAGCAGGGGCTCAGATGACTCAGTGCCAGTTATTTTATTAAAGATGCTGCTT
 TTGATGATGTCAGTGGTACTGATGAAGGAAGACCTGATCTTCTGTAAATTTACCTGGTG
 AATTGGAGTCAACAAGAGAAGCTGCAGCAATGGGACCTACTAAGTTTACACAACTAATA
 TAGGGATAATAGAAAATAAACTCTTGGAAAGCCCTGATGTTTTATGCCTCAGGCTTAGTA
 CTGAACAATGCCAAGCACATGAGGAGAAAGGCATAGAGGAACTGAGTGATCCCTCTGGGC
 CCAAATCTATAGTATAACAGAGAAACACTATGCACAGGNAGGATCCCCAGNATGTTATT
 TGTAGCAGCTGCTGTCATTAGTAGTTTCTAGGAGATATGGTCTTTGNTACCCAGCTCAAATC
 TAAGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012424 unedited
 TACCGCGCAGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTAAATGTTTCACCATGT
 TTATTTGATATCATGATTTCTTAGTCCTTACACAAAGGGAATAAGCACTCCCTTCCCTT
 TTTTGTTGCATGTGTGTTAGCAGGAGTCGGAAGAACAGAAATATGAGGGAACAAGCAGAGG
 GTGCAGAAAATAGAAAGATGGGGAAGAAAGATGCTGTTGAAGACACAGAGTGAGTGTTT
 ATATGAACTCTTCTAAATAAGCAGTATCAACAAAGAGTACAAAGCTGCAACATGGAG
 TGTCTTCTACAGAAAATAATCTGGGACCACATTCAACATACATTATACAGCATCAGGGTA
 CAGGTTTTCCGTCAGAAATATGTGTATTTCTTTTTCTCGCTTTTAAAGTTTCATTGAT
 GACATTGTTTCATATACTTTTAGTGTATTATTAAGCAAATATTAATTTAATCATATAAACC
 AATCCTGGTCAGCAAAAAGCACTGTTAGCTGCCATGTAAGGTCCTTCTGTCAAGTAAAA
 CTTTACTCACTTCTAGCTTCTATCAGAGGAACTTTTTGAAGGAACTCTTTCAGTTG
 GCTTTCAACTCATCTGCAACACCCAATGTGGATTAATTCAGATCACACCCTTGGTTGC
 GTATATTATGTTATAACACCCCTGCCCCATTAGCTAATATTTGAAATCGTAAACGAAT
 TGTCTCTTTTACCCCTTCCCCCCTTTCTATAACGGTCTTTTTCCAATGCTTTGGG
 GCCCATAACTAACGGGAAGTCAAGGTGCCCTATCGCTGGAAATCCTGTCCCAAAAAAT
 ATAATGGGTAGAAAAACCCCGCCTAATTTATTTTTATTTTATTCATGCCATCCCAGGGTCT

Restriction Sites:

NotI-NotI

ACCN:

NM_012424

Insert Size:

2920 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_012424.1 , NP_036556.1
RefSeq Size:	4219 bp
RefSeq ORF:	1410 bp
Locus ID:	26750
UniProt ID:	Q96S38
Cytogenetics:	1q32.3
Domains:	pkinase, PX, S_TKc, MIT
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest 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.</p>