

## Product datasheet for **MR209496**

### **Rps6kc1 (BC058403) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rps6kc1 (BC058403) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rps6kc1
Synonyms:	RPK118
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR209496 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCTCCTCAGTGTGCCTGCAGCAGCCAAGTGCCAGTCCCAGGGCGGCAGCAGCTTCGAGTCCAGAG  
 GGAGCGACACGGGGAGCATGCTGAAGGCTCTGCCTCTGAAGACCACTCTACCCCGAGTTCTCAAGACGA  
 CAGCAACCAGGAAGACGACGGCCAGCCAGCTCTCCCAAGTGGCTGGATTCCGGGCTCCAGTTCAGAGGAT  
 GAGTGCACAGCGGGTACCTGACGCTGTGCAACGAGTATGGCAAGAAAAGATGGACCTGGTGTCTCTGA  
 GCGAGGAGTCTGTTATGCAGCCTGAAGGGGACAAGGCTGACACCCAGGCGGTTAGTTCGCCAGCATCCCT  
 CGCCACTGGCAGTGTGAGCCCTAGCACCCACCTCAGGGTCTTCTCTGGAGGTGAGGATCTAGAGGCGGTT  
 TCTTCTCCTCCAACATCTGAATCCCTCAGTAGGTCAAAAACAGCCCTATGGAATTTCTCAGAATAGACA  
 GTAAGACAGCACAAAGTGAAGTCTGGGACTGGATTTTGGTGAAGAAATTACACAGTCTGAAACCAGAGCC  
 TTTGAAAGCCCTTTTACCTTGAAGATGGAGACAGCCCTTCTCAGAGTCTTGATCCTGGTGAAGCAAG  
 AGAGAGAGTGAAGCTCAGGACTCCGTGAGCCGGGGCTCAGATGATTCCGTCCCAGTTATCTCATTTAAAG  
 AGGCGGCTGCAGAGGCTATCAGTGGGGTGGAGGGAAGGCCTGACCTTCTGTGAATTTACCTGGGGA  
 ACTGCAGCCAACCAAGAGGCTTCAGCAATGGACCCCTAAGTTTTTACAGGCCAGTGCAGGCAAGGCTGGAT  
 AGTAAACTGCTGGAAGCCCCGGATGTGTGTGCCTCAGGCTGAGTCTGAACAGTCCATGGTCTGGGAC  
 CAGAAGGCCAGAGGAAGTGAAGGATCCACTGAATCTGTCCCGGAGGTGTGATCCAGAGCACGATGC  
 TCAGGCAGATCCCGGGTGTCTATTCGAGGCTGCCGTTGATCACAGGAGCTCCCAGACAGTTTCTGTTT  
 TCCAGCTTGCCTCCGAGTCTGACAGGCTGGGGCAGGTGGAGGTAGTGGTCACTGCACAGGCCTTGAAG  
 AAAGCCTGTTCCACATTTCTAGTCCCTGCTCAGGTGCTAATAAAGAACACAGTGCATACGCCGACTGC  
 CACGTCGGAGGAGGTGTGCTGTTACAGAAACCGACTAAAGAAGAAGCGAACTCTCTGTTCCAGAGAGAC  
 TCGGACGCCAGGAGCGAGGTGTGGGAGCCGGGAAGCAGACAAGGAAATCCATCAGATCTTTGAGGACC  
 TGGATAAACGACTAGCAGCTAGCTCCAGGTTCTTCCATCCAGAGGGCTGCATTGAGAGTGGGCAGCGGA  
 AATGGTGGTAGCCCTTGCAGCCTTGCACAGAGAGGGGATTGTGTGCCGAGATCTGAACCCAAACAACATC  
 TTATTGAATGATGGAGGACATTCAGCTAACGTATTTAGCAGGTGGAGTGAAGTTGAAGATCCTGCG  
 ACAGCGATGCCGTAGCGAGAATGACTGTGCCCCAGAGGTTGGAGCAGTACAGAAGAACTGAAGCCTG  
 TGATTGGTGGAGCCTGGGTGCTGCTCTTGAACCTTCTACTGGCAAGACGTTGGTGAATGCCACCCA  
 GCCGGAATAAATACCCACACTACTTTGAACATGCCAGGTTGTGTTTCTGAAGAGGCTCGCTCACTCATCC  
 AACAGCTCCTGCAGTTCAACCTATGGAGCGCCTGGGTGCTGGAGTGGCTGGTGTGAAGATATCAATC  
 TCACCCGTTTTTACCCCTGTGGATTGGGCAGAGTTGACAAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

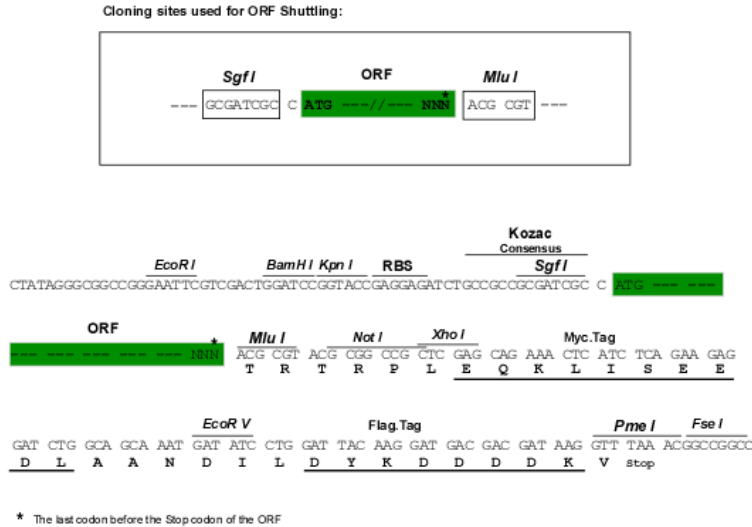
>MR209496 protein sequence  
 Red=Cloning site Green=Tags(s)

MPPRVCLQQPSASPQGGSSFESRSDTGSMLKALPLKTSLLTPSSQDDSNQEDDGQPSSPKWLDGSSSED  
 ECTAGYLTLCNEYGQEKMDLVSLSEESVMQPEGDKADTQAVSSPASLATGSVSPSTHLRVFSGGEDLEAV  
 SSPPTSESLSRSKNSPMEFFRIDSKDSTSELLGLDFGEKHLHSLKPEPLKALFTLEDGSPSQSLDPGESK  
 RESEAQDSVSRGSDSVPVVISFKEAAAIAISGAEEGRPDLLVNLPGELQPTKEASAMDPKFQASAGRLD  
 SKLLEAPDVLCLRLSSEQCHGLGPEGPEELSDPTEFCPPGVIPEHDAQADPGVLFEEAVDHRSSPDQFLF  
 SSLRSESDRLGQVEVVVTAQALQESLFHISPPCSGANKEHSAYADTATSEEVLLFTEPTKEANSLFQRD  
 SDAQERGVGAGEADKEIHQIFEDLDKRLAASSRFFIPEGCIQRWAAEMVVALDALHREGIVCRDLNPNNI  
 LLNDGGHIQLTYFSRWSEVEDSCSDSAVARMYCAPEVGAVTEETEACDWWSLGAVLFELLTGKTLVECHP  
 AGINTHTTLNMPGCVSEEARSLIQLLQFNPMERLGAGVAGVEDIKSHPPFFTPVDWALTR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC058403

ORF Size: 1863 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC058403](#), [AAH58403](#)

RefSeq Size: 2733 bp

RefSeq ORF: 1865 bp

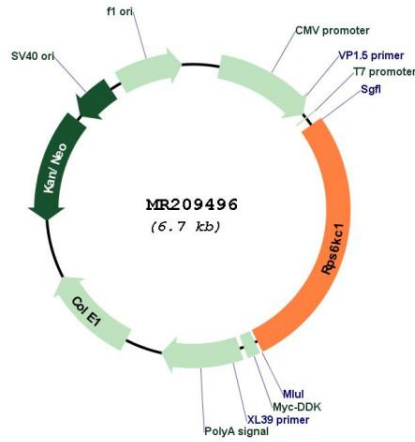
Locus ID: 320119

Cytogenetics: 1 H6

**MW:** 66.8 kDa

**Gene Summary:** May be involved in transmitting sphingosine-1 phosphate (SPP)-mediated signaling into the cell. Plays a role in the recruitment of PRDX3 to early endosomes.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR209496