

Product datasheet for **MG209496**

Rps6kc1 (BC058403) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rps6kc1 (BC058403) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rps6kc1
Synonyms:	RPK118
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209496 representing BC058403
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTCCTCGAGTGTGCCTGCAGCAGCCAAGTGCCAGTCCCCAGGGCGGCAGCAGCTTCGAGTCCAGAG
 GGAGCGACACGGGAGCATGCTGAAGGCTCTGCCTCTGAAGACCAAGTCTACCCCGAGTTCTCAAGACGA
 CAGCAACCAGGAAGACGACGCGCCAGCCAGCTCTCCAAGTGGCTGGATTTCGGGCTCCAGTTCAGAGGAT
 GAGTGCACAGCGGGCTACCTGACGCTGTGCAACGAGTATGGGCAAGAAAAGATGGACCTGGTGTCTCTGA
 GCGAGGAGTCTGTTATGCAGCCTGAAGGGGACAAGGCTGACACCCAGGCGGTTAGTTCGCCAGCATCCCT
 CGCCACTGGCAGTGTGAGCCCTAGCACCCACCTCAGGGTCTTCTCTGGAGGTGAGGATCTAGAGGCGGTT
 TCTTCTCTCCAACATCTGAATCCCTCAGTAGGTCAAAAACAGCCCTATGGAATTTCTCAGAATAGACA
 GTAAAGACAGCACAAGTGAAGTCTCTGGGACTGGATTTTGGTGAGAAATTACACAGTCTGAAACCAGAGCC
 TTTGAAAGCCCTCTTACCCTTGAAGATGGAGACAGCCCTTCTCAGAGTCTTGATCCTGGTGAGAGCAAG
 AGAGAGAGTGAAGCTCAGGACTCCGTGAGCCGGGGCTCAGATGATTCCGTCCCAGTTATCTCATTTAAAG
 AGGCGGCTGCAGAGGCTATCAGTGGGGCTGAGGAGGGAAGGCCTGACCTTCTGTGAATTTACCTGGGGA
 ACTGCAGCCAACCAAGAGGCTTCAGCAATGGACCCTAAGTTTTCACAGGCCAGTGCAGGCAGGCTGGAT
 AGTAAACTGCTGGAAGCCCCGGATGTGTGTGCCTCAGGCTGAGTTCTGAACAGTGCCATGGTCTGGGAC
 CAGAAGGCCCAGAGGAAGTGAAGGATCCCACTGAATCTGTCCCGGAGGTGTGATCCAGAGCACGATGC
 TCAGGCAGATCCCGGGTGTCTATTCGAGGCTGCCGTTGATCACAGGAGCTCCCGAGACAGTTTCTGTTT
 TCCAGCTTGCCTCCGAGTCTGACAGGCTGGGGCAGGTGGAGGTAGTGGTCACTGCACAGGCCTTGCAAG
 AAAGCCTGTTCCACATTTCTAGTCCCTGCTCAGGTGCTAATAAAGAACACAGTGCATACGCCGACACTGC
 CACGTCGGAGGAGGTGTTGCTGTTACAGAACCGACTAAAGAAGAAGCGAACTCTCTGTTCCAGAGAGAC
 TCGGACGCCCAGGAGCGAGGTGTGGGAGCCGGGAAGCAGACAAGGAAATCCATCAGATCTTTGAGGACC
 TGGATAAACGACTAGCAGCTAGCTCCAGGTTCTTCATCCAGAGGCTGCATTGAGAGTGGGCAGCGGA
 AATGGTGGTAGCCCTTGACGCCTTGACAGAGAGGGGATTGTGTGCCGAGATCTGAACCCAAACAACATC
 TTATTGAATGATGGAGGACACATTCAGCTAACGTATTTAGCAGGTGGAGTGAGGTTGAAGATTCCTGCG
 ACAGCGATGCCGTAGCGAGAATGACTGTGCCCCAGAGGTTGGAGCAGTCACAGAAGAACTGAAGCCTG
 TGATTGGTGGAGCCTGGGTGCTGCTCTCTCGAACTTCTCACTGGCAAGACGTTGGTGAATGCCACCA
 GCCGGAATAAATACCCACACTACTTTGAACATGCCAGGTTGTGTTTCTGAAGAGGCTCGCTCACTCATCC
 AACAGCTCCTGCAGTTCAACCCTATGGAGCGCCTGGGTGCTGGAGTGGCTGGTGTGAAGATATCAAATC
 TCACCCGTTTTTCACCCCTGTGGATTGGGCAGAGTTGACAAGA

ACGCGTACGCGGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209496 representing BC058403
 Red=Cloning site Green=Tags(s)

MPPRVCLQQPSASPQGGSSFESRGSDTGSMKALPLKTSLLTPSSQDDSNQEDDGPSSPKWLDGSSSED
 ECTAGYLTLCNEYGQEKMDLVSLSEESVMQPEGDKADTQAVSSPASLATGSVSPSTHLRVFSGGDELEAV
 SSPPTSESLSRSKNSPMEFFRIDSKDSTSELLGLDFGEKLHSLKPEPLKALFTLEDGDSQSLDPGESK
 RESEAQDSVSRGSDSVPVISFKEAAAEAISGAEEGRPDLLVNLPGELQPTKEASAMDPKFSQASAGRLD
 SKLLEAPDVLCLRLSSEQCHGLPEGPEELSDPTEFCPGGVIPHDADQADPGVLFEAAVDHRSSPDQFLF
 SSLRSESDRLGQVEVVVTAQALQESLFHISSPCSGANKEHSAYADTATSEEVLLFTEPTKEEANSFLQRD
 SDAQERGVGAGEADKEIHQIFEDLDKRLAASSRFFIPEGCIQRWAAEMVVALDALHREGIVCRDLNPNNI
 LLNDGGHIQLTYFSRWSEVEDSCSDAVARMYCAPEVGAVTEETEACDWWSLGAVLFELLTGKTLVECHP
 AGINTHTTLNMPGCVSEEARSLIQQLLQFNPMERLGAGVAGVEDIKSHPPFFTPVDWAELTR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

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

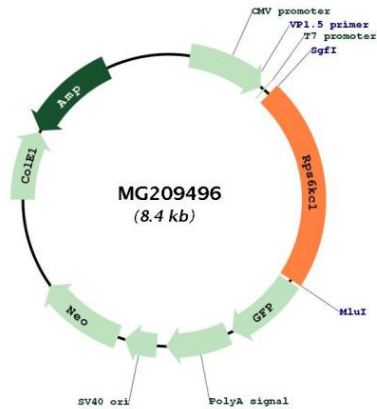
RefSeq Size: 2733 bp

RefSeq ORF: 1865 bp

Locus ID: 320119

Cytogenetics:	1 H6
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 MG209496