

Product datasheet for **MC223404**

Rps6kc1 (NM_178775) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rps6kc1 (NM_178775) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rps6kc1
Synonyms: AA682037; B130003F20Rik; C80612; Rpk118
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223404 representing NM_178775
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACCTCTCCTTGGGGTCACAGTGGGACCTGGCCCGCTTCTACACTGTCACCGAGCCCCAGCGACACC
 CCAGGGGTACTACTGTCTATAAGGTTACCGCACGGGTTGTTTCACGGAGAAATCCAGAGGACGTCCAGGA
 GATAATTGTGTGGAGGAGATACAGTGACTTCAAGAAATGCACAGAGAATTATGGCAAATTCACAGGAAT
 GCATTCGACACTCTGAGCTATTTCCCCCGTTTGTAAAGGGACAGTGTTTGGGCGGTTGCACAAGACGG
 TGATTGAGGAGCGACGGCAGTGTGCTGAGGACCTGCTGCAAGTCTCTGCCAACATCCCCGCCCTGTACAA
 CAGCAGGCAGCTCCAGGACTTCTCAAGGGTGGGGTAATTAGTGATGGCTCTGAGTTAATTGGCCCTGCT
 GAAGCTTACCCAGACTCCCCGGCCAACGCCTTCTGAGTGCGGTACTGAAGGATTCTCCAGTGACAGTG
 ACCTTCTGTCCCTCACTGTTGATGCAGACTCTTTGCCGAGGTAGATGATGGAATGGCTTCCCGTCAGGG
 TTCTCCAGTAGAACCTTTGGTCTGAGTCTGTCTACGGATTCTCGGCAGTAGGGGCTGTTGCTTCTGAC
 AGTGAACCAAGCAGAGTAGAAGACCGGAAAGCCGACGCTCTCCCCAGCAGCTTAAAGCCAAGGCTTG
 GCAGGAGAGATTACCTGGAGAAGGCAGGGAACTTATCAAAGTGGCCTTAAAGAAGGAGGAGGAAGATGA
 CTATGAAGCTGCTTCTGACTTTTACAGGAAGGGCGTCTGCTCCTAGAAGGTGTACAAGGAGAGTCCG
 AGCCCCACGCGTCGGGAGGCTGTGAAGAGAAGGACTGCGGAGTACCTCATGCGTGCAGAGAGCATCTGTA
 GCCTCCGGGCCGCGCCTCAGCTCCACACGGGACCACAGCCTCCAGGATCACTAAGTTCAAGGCCCCCTTG
 GAGCCTGAGGAGCCCTGCCGAGGAGCTGAAGGCCTTCCGAGTCTTGGGGTGATTGACAAGGTTTTACTT
 GTAATGGATACAAGGACAGAGCAGACATTATTTTAAAGGTCTAAGGAAAAGCAGCGAGTGCAGCAGGA
 ACAGAAAGACCATCATCCCCGCTGTGTGCTAACATGGTGTGTCTGCACACGTACATCATCTCGGAGGA
 ATCGGTGTTTCTCGTGTGCAGCGCGCCGAAGGTGAAAAGTCTGGTCTATATCAGTAAATTTCTGAAC
 AGAAGCTCTCAGGAAAGCTTGGACATTAAGGAAGGAGACCGTCCATGCCTCCTCGAGTGTGCCTGCAGC
 AGCCAAGTGCCAGTCCCCAGGGCGGCAGCAGCTTCGAGTCCAGAGGGAGCGACACGGGGAGCATGCTGAA
 GGCTCTGCCTCTGAAGACCAGTCTACCCCGAGTTCTCAAGACGACAGCAACCAGGAAGACGACGCCAG
 CCCAGCTCTCCAAGTGCTGGATTCCGGCTCCAGTTCAGAGGATGAGTGCACAGCGGGCTACCTGACGC



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TGTGCAACGAGTATGGGCAAGAAAAGATGGACCTGGTGTCTCTGAGCGAGGAGTCTGTTATGCAGCCTGA
 AGGGGACAAGGCTGACACCCAGGCGTTAGTTCCTCCAGCATCCCTCGCCACTGGCAGTGTGAGCCCTAGC
 ACCCACCTCAGGGTCTTCTCTGGAGGTGAGGATCTAGAGGCGGTTTCTTCTCCTCCAACATCTGAATCCC
 TCAGTAGGTCAAAAAACAGCCCTATGGAATTCTTCAGAATAGACAGTAAAGACAGCACAAGTGAGCTCCT
 GGGACTGGATTTTGGTGAGAAATTACACAGTCTGAAACCAGAGCCTTTGAAAGCCCTCTTACCCTTGAA
 GATGGAGACAGCCCTTCTCAGAGTCTTGATCCTGGTGAGAGCAAGAGAGAGAGTGAAGCTCAGGACTCCG
 TGAGCCGGGGCTCAGATGATTCCGTCCAGTTATCTCATTTAAAGAGGCGGCTGCAGGCCAACAAAGAGGCTTCA
 GGCTGAGGAGGGAAGGCCTGACCTTCTTGTGAATTTACCTGGGGAAGTGCAGCCAAACAAAGAGGCTTCA
 GCAATGGACCCTAAGTTTTACAGGCCAGTGCAGGCAGGCTGGATAGTAAACTGCTGGAAGCCCCGGATG
 TGTTGTGCCTCAGGCTGAGTTCTGAACAGTGCCATGGTCTGGGACCAGAAGGCCAGAGGAACTGAGCGA
 TCCCACTGAATTCTGTCCGGAGGTGTGATCCCAGAGCAGATGCTCAGGCAGATCCCGGGGTGCTATTC
 GAGGCTGCCGTTGATCACAGGAGCTCCCAGACCAGTTTCTGTTTTCCAGCTTGCCTCCGAGTCTGACA
 GGCTGGGGCAGGTGGAGGTAGTGGTCACTGCACAGGCCTTGAAGAAAGCCTGTTCCACATTTCTAGTCC
 CTGCTCAGGTGCTAATAAAGAACACAGTGCATACGCCGACACTGCCACGTCGGAGGAGGTGTTGCTGTT
 ACAGAACCAGCTAAAGAAGAAGCGAACTCTCTGTTCCAGAGAGACTCGGAGGCCAGGAGCGAGGTGAGG
 GAGCCGGGAAGCAGACAAGGAAATCCATCAGATCTTTGAGGACTGGATAAACGACTAGCAGCTAGCTC
 CAGGTTCTTCATCCCAGAGGGCTGCATTAGAGATGGGACGCGAAATGGTGGTACGCCCTTGACGCCCTG
 CACAGAGAGGGGATTGTGTGCCGAGATCTGAACCCAAACAACATCTTATTGAATGATGGAGGACACATTC
 AGCTAACGTATTTTAGCAGGTGGAGTGAGGTTGAAGATTCTGCGACAGCGATGCCGTAGCGAGAATGTA
 CTGTGCCCCAGAGGTTGGAGCAGTACAGAAGAACTGAAGCCTGTGATTGGTGGAGCCTGGGTGCTGTC
 CTCTTCGAACTTCTACTGGCAAGACGTTGGTGAATGCCACCCAGCCGGAATAAATACCCACACTACTT
 TGAACATGCCAGGTTGTGTTTCTGAAGAGGCTCGCTCACTCATCAACAGCTCCTGCAGTTCAACCCTAT
 GGAGCCCTGGGTGCTGGAGTGGCTGGTGAAGATATCAAATCTCACCCGTTTTCCACCCCTGTGGAT
 TGGGCAGAGTTGACAAGATGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM_178775

Insert Size:

3171 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:

[NM_178775.4](#), [NP_848890.3](#)

RefSeq Size:

4034 bp

RefSeq ORF:	3171 bp
Locus ID:	320119
UniProt ID:	<u>Q8BLK9</u>
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]