

Product datasheet for **RR213718**

Rps6kc1 (NM_001105984) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rps6kc1 (NM_001105984) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rps6kc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213718 representing NM_001105984 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCTCTCCTTGGGGTCACAGTGGGACCTGGCCCGTTCTACACTGTCACCGAGCCCCAGCGACACC
CTAGGGGCTACACGATCTATAAGGTTACCGCACGGGTCGTTTACGAAGAAATCCGGAGGACGTCCAGGA
GATAATTGTGTGGAGAAGATACAGTGACTTTAAGAAGCTGCACAGAGAGCTATGGCAGATTCACAGGAAC
GCATTTGACACTCTGAGCTGTTTCCCCGTTTGCCTAAAGGGACAGTGTTTGGGCGATTTGACAAAACCG
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CAGCAAGCAGCTCCAGGACTTCTTAAGGGTGGGATAATTAGTGATGGCTCTGAGTTAATTGGCCCTGCT
GAAGCTTACCCAGACTCCCTGGCCAACACCTTTTCTGAGTGTGGTACTGAAGGCTTCTCCAGTGACAGTG
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TCCTCGAACATCTGATCCCTCAGGAGGTCGAAAAACAGTCTATGGAGTCTTCCGAATAGACAGTAAA



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GACAGCACAAAGTGAAGCTCTGGGACTGGATTCTGGTGAGAAATTACACAGTCTGAAACCAGAGCCTTTGA
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 GA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>RR213718 representing NM_001105984
 Red=Cloning site Green=Tags(s)

MTSPWGHASDLARFYTVTEPQRHPRGYTIYKVTARVVSRRNPEDVQEIIWRRYSDFKHLHRELWQIHRN
 AFRHSELFPFAGKTVFGRFDKTVIEERRQCAEDLLQFSANIPALYNSKQLQDFKGGIISDSELIGPA
 EAYPDSLANTFSECGTEGFSSDSLLSLTVDADSLAEVDDGMASRQSPSRAFGLSVSADSSAVGAVASD
 IEPKAEEDRESRSLFPSSLKPRLGRRDYLEKAGELIKLALKKEEEDDYEAASDFYRKGVDLLLEGVQAL
 SSRPPWNLRSPEELKAFRVLGVIDKVLVMDTRTEQTFILKGLRKSSECSRNRKTIIPRCVPMVCLHT
 YIISEESVFLVLQHAEGGLWSYISKFLNRSSRESLDIKEARPPMPPRVRLQQPSASPQGSYSVESRGS
 TGSMLKVLPLKTSLTPSSQDDSNQEDDGDSSPKWPDSSGSSSEEECTAGYLTLCNEYGQEKLDLTSLNEE
 SVMQPEGENADSQAVRSFPASLTADSASPSTQLKFFPGDEGLEAVCSPTSDSLRRSKNSPMEFFRIDSK
 DSTSELLGLDSGEKLSLHSLKPEPLKALFTLEDGDSQSFQDAGKSGESEAQDSISIRGSDSVPVIFKFA
 ASEDVCSAEGRPDLLVNLPGELQPTKETSAVDPTKFSQASIGRLEAPDVLCLRLSSEQCHDLGQEGPEE
 LSHPTEFRPGGVTPEPERSAQADLGVLFATVDHSSQDQFLFSSLHSESDRLGQVEGAVTSQDLQESLFI
 ASPCSGAKEDSAHTDTATSEEVLLFTEPSKEGDSEAKVRSVGGAGAEKEVHQIFEDLDQRLAVSARLFI
 EGCIQRWAAEMVVALDALHREGIVCRDLNPNILLNDGGHIQLTYFSRWSEVEDLSDSAIARMYCAPEV
 GAVTEETEACDWWSLGAVLFELLTGKTLVECHPAGINTHTTLNMPDCVSEEARSLIQQLLQFNPMERLGA
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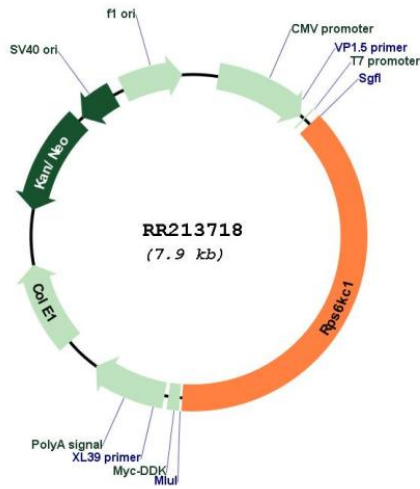
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105984
 ORF Size: 3012 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:	<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_001105984.1 , NP_001099454.1
RefSeq Size:	3812 bp
RefSeq ORF:	3015 bp
Locus ID:	289342
Cytogenetics:	13q27
MW:	110.3 kDa