

Product datasheet for **RR202057**

Rps6kb2 (NM_001010962) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rps6kb2 (NM_001010962) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rps6kb2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR202057 representing NM_001010962
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCCGTGTTTGTATTAGACTTGGAGACCGAGGAAGGAAGTGAGGGCGAGGGCGAGCCGGAGTTCA
 ACCCTGCGGACGTGTGTCCCTTGGCGAGTTAAGGGCTGCTGGCCTGGAGACAGTGGGACACTATGAGGA
 GGTGGAAGTACAGAGAGCAGCGTCAACCTGGGTCTGAGCGCATCGGACCCCACTGCTTTGAGCTACTG
 AGTGTCTGGGCAAGGGGGTTATGGCAAGGTGTTCCAGGTGAGAAAAGTGAAGGCACCAACTGGGCA
 AAATATATGCCATGAAAGTCTTGAGAAAGGCCAAGATTGTATGCAGTGCCAAGGACACAGCACATACCCG
 GGCTGAGCGGAACATTCTAGAATCGGTGAAGCACCCCTTCATTGTAGAAGTGGCCTATGCTTTCCAGACA
 GGTGGCAAACCTACCTCATCTGGAGTGCCTCAGTGGTGGTGGAGCTCTCACACATCTTGAGCGAGAAG
 GCATCTTCTGGAAGACACAGCCTGCTTCTACCTGGCAGAGATCACACTAGCCCTGGGCCATCTCCATTC
 CCAAGGCATCATCTACCGGATCTCAAGCCGAGAACATCATGCTCAACAGCCAGGGCCATATCAAAGT
 ACAGACTTTGGACTCTGCAAAGAGTCCATTCATGAGGGTCTATCACTCACACCTTCTGTGGCACCATTTG
 AGTACATGGCCCCAGAGATTCTAGTGCATCGGTCAACACCGGGCAGTGGACTGGTGGAGCCTGGGAGC
 CCTGATGTACGACATGCTCACTGGATCGCCGCCCTTACCAGCAGAGAACCAGGAAAGAAAATATGGATAAA
 ATCATTAAAGGGAAGCTGGTGTGCCCCCTACCTCACCCGGATGCCCGGGACCTTGCCAAAAGTTTC
 TGAAGCGGAATCCCACTCATCGAATTGGGGTGGCCAGGAGATGCTGCTGATGTGCAGAGGCACCCGTT
 TTTCCGGCACATCAATTGGGATGACCTCTTGGCCATCGTGTAGACCTCCCTTCAGACCGAGTCTGCAA
 TCAGAAGAGGACGTGAGCCAGTTTGTATGTCGATTACACGCGCAGACGCCAGTAGATAGTCCAGATGACA
 CAGCCCTCAGTGAGAGTGCCAACCAAGCCTTCTGGGCTTACGATGTGGCACCTTCTGACTGGACAG
 CATCAAAGAGGGCTTCTCCTCCAGCCTAAGCTGCGCTCCCCAGACGCCTTAACAGCAGTCCCCGACC
 CCTATCAGCCCCCTCAAGTTCTCTCCCTTTGAGGGTTCCGGCCAGTCTTGGCCACCAGAGCCCATGG
 AGCCATCTCTACCTCACTCCTGCCACCACCATCATCACCACCACCCACAAGTACTGCCCACTTCCCAT
 CCGTCCCCCTCAGGAACCAAGAAGTCCAAGAAGGGACGGGGCCGCCCTGGGCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202057 representing NM_001010962
 Red=Cloning site Green=Tags(s)

MAAVFDLDLETEEGSEGEPEFNPADVCPGLGELRAAGLETVGHYEEVELTESSVNLGPERIGPHCFELL
 SVLGKGGYGKVFQVRKVQGTNLGKIYAMKVLKAKIVCSAKDTAHTRAERNILES VKHPFIVELAYAFQT
 GGKLYLILECLSGGELFTHLEREGIFLEDTACFYLAIEITLALGHLHSQGIYRDLKPENIMLNSQGHKIL
 TDFGLCKESIHEGAIHTFCGTIEYMAPEILVRIGHNRAVDWWSL GALMYDMLTGSPFFT AENRKK TMDK
 I IKGKLVLPYLPDARDLAKKFLKRNPHRIGGGPGDAADVQRHPFFRHINWDDLLAHRVDPFFRPSLQ
 SEEDVSQFDVRFTRQTPVDSPPDTALSESANQAF LGFTYVAPSVLDSIKEGFSFQPKLRSPRRLNSSPRT
 PISPLKFSPEGFRPSPGPEPEPSLPLPLPPSSPPPTSTAPLPIRPPSGTKKSKKGRGRPGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

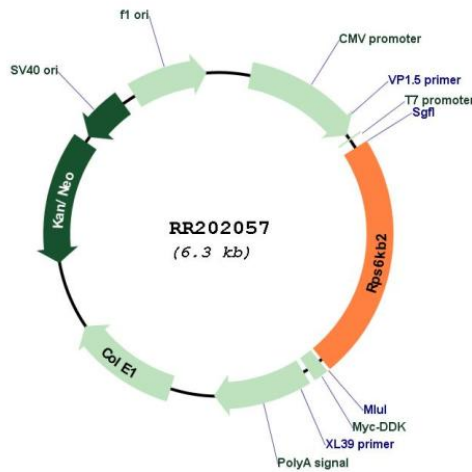
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001010962

ORF Size: 1455 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: [NM_001010962.2](#), [NP_001010962.2](#)

RefSeq Size: 1769 bp

RefSeq ORF: 1458 bp

Locus ID: 361696

Cytogenetics: 1q43

MW: 53.6 kDa