

Product datasheet for **RN211756**

Rps6kb1 (NM_031985) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rps6kb1 (NM_031985) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rps6kb1
Synonyms:	p70 S6K-alpha
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211756 representing NM_031985
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCGACGACGGAGGCGGGACGGCTTTTACCCAGCGCCTGACTTCCGACACAGGGAAGCTGAGGACA
 TGGCAGGAGTGTTTGACATAGACCTGGACCAGCCAGAGGATGCAGGCTCTGAGGATGAGCTGGAGGAGGG
 GGGTCAGTTAAATGAAAGCATGGACCATGGGGGAGTTGGACCATATGAACTTGGCATGGAACATTGTGAG
 AAATTTGAAATCTCAGAACTAGTGTGAACAGAGGGCCAGAAAAAATCAGACCAGAATGTTTTGAGCTAC
 TTCGGGACTTGGTAAAGGGGGCTATGGAAAGTTTTTCAAGTACGAAAAGTAACAGGAGCAAATACTGG
 GAAGATATTTGCCATGAAGGTGCTTAAAAAGGCAATGATAGTAAGAAATGCTAAAGATACAGCTCATACA
 AAAGCAGAGCGGAATATTCTGGAGGAAGTAAAGCATCCCTTCATTGTGGATTTAATTTATGCCTTTCAGA
 CCGGTGGAAAACCTACCTCATCCTTGAGTATCTCAGTGGAGGAGAACTATTTATGCAGTTAGAAAGAGA
 GGGGATATTCATGGAAGATACAGCTTGCTTTTACTTGGCTGAAAATCTCCATGGCTTTGGGGCATTACAT
 CAAAAGGGGATTATCTACAGAGACCTGAAGCCGGAGAACATCATGCTTAATCACCAAGGTCACGTGAAGC
 TGACAGACTTTGGACTATGCAAAGAATCTATTCATGATGGAACAGTCACGCACACATTTTGTGGAACAAT
 AGAATACATGGCCCTGAAATCTTGATGAGAAGCGGCCACAACCGTGCTGTGGATTGGTGGAGTCTGGGA
 GCATTAATGTATGACATGCTGACTGGAGCACCTCCATTCCTGGGGAGAAATAGAAAGAAGACAATTGACA
 AAATCCTCAAATGTAACTTAATTTGCCTCCCTACCTCACACAAGAAGCTCGAGATCTGCTTAAAAAGCT
 GCTGAAGAGAAAATGCTGCTTCTCGTCTTGGAGCTGGCCCTGGGGATGCTGGAGAAGTCCAAGCGCATCCA
 TTTTTTAGACACATTAAGTGGGAAGAGCTTTTGGCTCGGAAGGTGGAGCGCCCTTAAAGCCTCTGTTGC
 AATCTGAAGAGGATGTGAGTCAAGTTTGAAGTTTACTCGTACAGACACCTGTTGACAGCCCGGATGA
 CCAACTCTCAGTGAAAGTGCCAACAGGTCTTTCTGGGTTTTACATATGTGGCTCCATCTGACTTGAA
 AGTGTGAAAGAAAAGTTTTCTTTTGAACCAAAAAATCCGATCGCCTCGAAGATTTATTGGTAGCCACGAA
 CGCCTGTGAGCCAGTCAAATCTCCTGGGATTTCTGGGACGAGGTGCTTCAGCCAGCACAGCAAA
 TCCTCAGACACCTGTGGAATACCAATGGAACAAGTGAATAGAGCAGATGGATGTGACAACGAGCGGG
 GAAGCTTCAGCGCCACTTCCAATCCGACAGCCCAACTCTGGGCCATACAAAAACAAGCTTTTCTATGA
 TCTCCAAACGGCCAGAGCACCTGCGTATGAATCTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_031985

Insert Size: 1578 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_031985.1](#), [NP_114191.1](#)

RefSeq Size: 2287 bp

RefSeq ORF: 1578 bp

Locus ID: 83840

UniProt ID: [P67999](#)

Cytogenetics: 10q26

Gene Summary: may play a role in response to oxidative stress [RGD, Feb 2006]