

## Product datasheet for **RN211767**

### **Rps6ka1 (NM\_031107) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rps6ka1 (NM_031107) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rps6ka1
Synonyms:	S6K-alpha 1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN211767 representing NM\_031107  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCGCTCGCCAGCTCAAGGAACCTGGCCGCTCATGGAGCTGGTGGCCGCTGGACCCGGAGAATGGAC  
 AGGCTTCAGGGGAAGAAGCTGGACTTCAGCCATCCAAGGATGAGGGCATCCTCAAGGAGATCTCTATCAC  
 ACACCACGTCAAGGCAGGCTCTGAGAAGGCTGATCCATCCATTTTGGAGCTCCTCAAGTTCTGGGCCAA  
 GGATCCTTTGGCAAAGTCTTCTGGTACGCAAGGTCACCCGGCCTGACAATGGGCACTTGTATGCCATGA  
 AAGTATTAAGAAGGCCACGCTGAAAGTGCCTGACCGTGTTCGGACCAAGATGGAGAGACATCTAGC  
 TGACGTGAACCACCCCTTCGTAGTGAACTGCACTATGCCTCCAGACCGAGGGCAAGCTCTATCTTATT  
 CTGGACTTTCTGCGTGGTGGAGACCTGTCACACGACTCTCAAAGGAGGTTATGTTTACAGAGGAGGATG  
 TGAAGTTTACCTGGCTGAGCTGGCACTGGCCCTGGACCCTGCACAGCTTGGGCATCATTACAGAGA  
 CCTCAAGCCTGAGAATATCCTTTGGATGAGGAGGGCCACATCAAACCTACTGACTTTGGCCTGAGCAAG  
 GAGGCCATTGACCACGAAAAGAAGGCCTATTCTTCTGCGGGACCGTGGAGTACATGGCGCCCGAGGTTG  
 TCAACCGCCAGGGCCACACCCACAGTGCAGATTGGTGGTCTATGGGGTGTGGATGTTTGGAGATGCTGAC  
 GGGCTCCCTGCCCTTCCAGGGGAAGGACCGGAAGGAGACCATGACCTTGATTTTGAAGGCAAAGCTAGGC  
 ATGCCCCAGTTTCTGAGCACGGAAGCCAGAGCCTCCTGCGGGCCCTGTTCAAGAGGAATCCTGCCAACCC  
 GGCTTGGCTCAGGCCCGGATGGGGCTGAGGAAATTAAGAGACATATCTTCTACTCTACCATTGACTGGAA  
 TAAGCTTACCGCGTGAGATCAAGCCACCTTCAAGCCCGCTGTGGCCAGCCGGATGACACCTTCTAC  
 TTTGATACCGAGTTCACGTACGCACACCCAGGGATTGCGCGGCATCCCCCAGTCTGGTGCCCATC  
 AGCTCTTCCGTGGCTTCAGCTTCGTGGCCACCGTCTGATGGAGGATGACAGCAAGCCTCGGGCCACCCA  
 GGCTCCGCTGCACTCGGTGGTACAGCAACTCCAGGGAAGAACTTGGTTTTTCAGCGATGGCTACATAGTA  
 AAGGAGACGATCGGCGTGGGCTCCTACTCTGTGTGAAGCGCTGTGTCCACAAGGCCACCAACATGGAGT  
 ACGCAGTCAAAGTAATCGACAAAAGCAAAGAGATCCCTCCGAAGAGATCGAGATTCTTCTGCGGTATGG  
 ACAGCACCCCAACATCATCACCTGAAAGATGTGTATGACGACAGTAAGCACGTATACCTGGTGACAGAG  
 CTGATGAGGGGCGGGGAGCTGCTGGATAAGATCCTACGGCAGAAATTTCTTCTCAGAGCGGGAGGCCAGCT  
 TCGTCTGTACACCATCAGCAAGACTGTGAATACTTGCCTCCCAAGGGTCTGCCACAGGGACCTCAA  
 ACCCAGTAACATCCTGTATGTGGATGAGTCTGGGAACCCCGAATGCCTACGAATATGCGACTTTGGCTTT  
 GCCAAGCAGCTACGGGCTGAGAACGGGCTTCTCATGACACCTTGCTACACAGCCAACTTTGTGGCACCTG  
 AGGTGCTGAAGCGTCAGGGCTACGATGAAGGCTGTGACATATGGAGCCTGGGCGTCTGCTGTACACGAT  
 GCTGGCAGGATACACTCCATTTGCCAATGGGCCAGTGATACCCAGAGGAGATCCTCACCCGGATCAGC  
 AGTGGGAAGTTACCCCTCAGTGGGGGAAACTGGAACACGGTTTCAGAGACAGCCAAGGACTTAGTATCTA  
 AGATGCTGCATGTGGACCCACCCAGCGCCTCACAGCCAAACAGGTTCTGCAGCACCCGTGGATCACCCA  
 GAAAGACAAGCTCCCCAGAGCCAGTTGTCCCACCAAGACCTGCAGCTTGTGAAGGGGGGCATGGCAGCT  
 ACATATTCTGCACTCAGTAGCTCAAACCCACCCCGAGCTCAAGCCAATCGAGTCTCCATCCTGGCCC  
 AGCGGCGGGTGAAGGAGCTGCCATCCACCACCTGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_031107

**Insert Size:** 2208 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_031107.1</a></u> , <u><a href="#">NP_112369.1</a></u>
<b>RefSeq Size:</b>	3131 bp
<b>RefSeq ORF:</b>	2208 bp
<b>Locus ID:</b>	81771
<b>UniProt ID:</b>	<u><a href="#">Q63531</a></u>
<b>Cytogenetics:</b>	5q36
<b>Gene Summary:</b>	catalyzes the phosphorylation of ETS transcription factor ER81 and other transcription factors [RGD, Feb 2006]