

## Product datasheet for **RN207192**

### **Rps6ka5 (NM\_001108048) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rps6ka5 (NM_001108048) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rps6ka5
Synonyms:	Msk1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN207192 representing NM\_001108048  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGGGGAGGGCGGCCGAGCGGGCGGGCACCAGCGGGGACAGTGGCGACGGCGCGAGCAGC  
 TCCTTACTGTCAAGCATGAGCTGCGGACCGCCAACCTAACAGGACATGCAGAGAAGGTGGGAATTGAAAA  
 TTTTGAGCTGCTGAAGGTCCTAGGAACTGGAGCTTATGGGAAAGTATTTCTAGTTCGTAAAAATAAGCGGC  
 CATGATGCTGAAAGCTGTATGCCATGAAAGTTTTAAAAAAGCAACAATCGTTCAGAAGGCTAAAACCTA  
 CGGAGCATACGAGGACAGAACGGCAGGTTCTGGAGCACATTAGACAGTCGCCATTTCTGGTGACGTTGCA  
 CTATGCTTTCCAGACAGAGACCAAGCTTCATCTCATCTTAGATTATAAATGGTGGAGAAGCTTTTTACT  
 CATCTTTCTCAAAGAGAGCGTTTCACAGAGCACGAAGTGCAGATCTATGTTGGAGAGATCGTGCTTGCCC  
 TGGAACACCTGCACAAGTTGGGGATTATATACCGTGACATTAAGCTGGAAAATATTCTACTTGATTCTAA  
 TGCCCATGTGGTCTGACAGATTTTGGTCTGAGTAAGGAGTTTGTGGCTGATGAAGCCGAAAGAGCGTAT  
 TCTTTCTGTGGGACTATTGAGTACATGGCGCCAGATATTGTACAGAGGGGGCGATTCCGGACATGACAAGG  
 GAATGAGCTCAGTAGCTAAAGACCTCCTTCAGCGTCTTTTGATGAAAGATCCCAAGAAGCGATTGGGATG  
 TGGCCACGGGATGCAGAAGAAATCAAAGAACATCTCTTCTTTGAGAAGATAAATGGGATGACTTAGCT  
 GCCAAAAAAGTGCTGCGCCCTTTAAACCAGTGATCCGGGACGAGTTAGACGTGAGTAACTTTGCTGAAG  
 AGTTCACAGAGATGGACCCACCTACTCTCCTGCAGCTCTGCCCCAGAGCTCTGAGCGACTGTTCCAGGG  
 CTACTCCTTCGTTGCTCCTTCCATCCTCTCAAGCGTAACGCGGGCGGTATAGATCCCCTCAGTTCCAT  
 ATGGGAGTAGACCGCCCTGGAGTGACAAACGTTGCCAGGAGCGCAATGATGAAGGACTCACCATTTACC  
 AACACTATGACCTAGATCTGAAGGACAAACCTTTGGGAGAAGGAAGTTTTTCAATCTGTGCGAAGTGTGT  
 ACACAAAAAACTAACCAAGCCTTTGCCGTCAAATAATCAGCAAAAGGATGGAAGCCAATACTCAGAAA  
 GAAATAACAGCTCTGAAACTCTGCGAAGGCCACCCCAATGTTGTGAAGCTGCATGAAGTTTTTTCATGACC  
 AGCTTCATACATTTCTTGTGATGGAGCTTCTGAATGGGGGAGAGCTGTTTGGAGCGCATCAAGAAAAAGAA  
 GCACCTCAGCGAGACTGAGGCCAGCTACATTATGCGGAAGCTTGTGTCGGCTGTGAGCCACATGCACGAT  
 GTTGGAGTGGTGCACAGAGACCTGAAGCCGGAGACAGTGTCCATAGAGAGATCAGCAGATCTCCCGTCA  
 TTTCCATGAGAATCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001108048

**Insert Size:** 1557 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<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>NM_001108048.1, NP_001101518.1</u>
<b>RefSeq Size:</b>	5427 bp
<b>RefSeq ORF:</b>	1557 bp
<b>Locus ID:</b>	314384
<b>Cytogenetics:</b>	6q32