

## Product datasheet for **MR210274**

### **Rps6ka6 (BC054113) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rps6ka6 (BC054113) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rps6ka6
Synonyms:	2610524K04Rik; RSK4; S6K-alpha-6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide  
Sequence:**

>MR210274 representing BC054113  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTACCGTTCCGCCCTGTGGAGGATCCCTGGGACCAAGAAGACATGGAGGTGTTCCGCAGCACGAGCA  
 GTAGCGAGCCACAGGTTGTGTTTACCATGAAGAACGCAGCAACGGTTATGCGGGAGCATGAACGCAAAGA  
 GGTAAATGATCTGAAAATGGTTGATGAGCCAATGGAAGAGGGAGAGCCAGTTTCTTGCCGCGGGAAGAA  
 TTGGTTAAGGAGGTACCTATTACACAGCATGTTAAAGAAGGATACGAGAAAGCAGATCCCGCACAGTTTG  
 ACTTGCTCAAGGTTCTTGGTCAGGGATCTTTGGAAAGGTTTTTCTTGTTAGAAAGAAGACTGGTCTGGA  
 TGCTGGGCAGCTCTATGCAATGAAGGTGTTAAGAAAAGCTTCTTTGAAAGTTCGAGACCGAGTTCGCACA  
 AAGATGGAGAGGGATATCTTGGTGAAGTAAATCATCCCTTTATCGTCAAAGTGCATGCTTTTCAGAC  
 CTGAAGGGAAGCTGTACTTAATATTGGATTTCTCAGGGGAGGAGATGTCTTACAAAGATTATCCAAGA  
 GGTTCTTTTTACAGAGGAAGATGTGAAATTCTACCTTGGGAATTGGCCCTGGCTTTGGATCATCTACAT  
 CGATTAGGAATGTTTATAGAGACCTGAAACCAGAAAACATCTTACTTGATGAAATAGGACATATCAAGT  
 TAACAGATTTTGGGCTTAGCAAAGAGTCACTGGATCAAGAAAAGAAAGGCCTACTCATTTTGTGGTACTGT  
 AGAATATATGGCCCTGAAGTAGTAAACAGACGAGCCATTCTCAGAGTCTGATTGGTGGTCATATGGT  
 GTACTTATGTTTGAATGCTTACTGGCACTTTGCCATTTCAAGGGAAAGACAGAAATGAGACCATGAATA  
 TGATACTGAAAGCAAACCTTGAATGCCCAATTCCTTAGTGCTGAAGCACAAGTCTATTAAGGATGTT  
 ATTCAAAAGGAATCCAGCAAATAGATTGGGGTCAGAAGGAGTTGAAGAAGTCAAAGACATGCCTTTTTT  
 GCTTCCATTGACTGGAATAAACTATATAAAGAGAAGTCCAGCCCTCTTTCAGACCTGCTTCTGAAAAAC  
 CGGATGATACCTTCTGTTTTGATCCTGAATTTACTGCCAAAACACCTAAAGATTCTCTGGTTTGGCAGC  
 CAGTGCAAACGCTCATCAACTCTCAAAGGATTCAGTTTTGTTGCGACTTCTATTGCCGAAGAATATAAA  
 ATCACTCCTGTTACAAGTCAAATGTATTACCAATCGTTCAGATAAATGGAAATGCTGCTCAATTTAGTG  
 AAGCTTATGAATTGAAAGAGGATATTGGTATTGGTCTTATTCTGTTTGAAGCGATGCATACACTCAGC  
 TTCCAATGTGGAATTTGCAGTCAAGATCATTGATAAAAAAAGAGAGACCCCTCAGAAGAAATTGAAATT  
 TTGATGCGCTATGGACAACATCCAACATTATCTTTAAAGGAGGTCTTTGATGATGGGAAATATGTTT  
 ACCTTGTACGGACTTGATGAAAGGAGGAGAATCTGGATCGGATTCTCAAAAAGAAATGTTTCTCAGA  
 GCAGGAAGCTAGTAATGTGCTGTATGTAATAACCAAGACAGTTGAATGCCTTCATTCTCAAGGAGTCGTT  
 CATCGTGATCTTAAGCCAGTAATTTTTATATATGGATGAGTCAGCCATCCAGATTCAATCAAGATCT  
 GTGATTTTGGGTTTGCAAACAGCTTCGTGGAGAAAATGGACTTCTGTTAACTCCGTGCTACACCGCAA  
 CTTTGTAGCACCTGAGGTTCTCACTCAACAGGGATATGATGCTGCCTGTGATATTTGGAGCTTAGGAGTC  
 CTTTTGTACAAATGTTGGCCGGCTACACTCCATTTTCCAACGGCCCAATGATACTCCTGAGGAAATAC  
 TGCTGCGCATAGGCAACGGGAGGTTCTCTTTGAGTGGTGAATCTGGGACAATATTTACGTTGGAGCAA  
 GGAAGCAGTGGCAGCACCATATCTGTCTTGGCTCGGAACCCAAACAGGCATCATCCAATCCTGGAGCCT  
 GTTACTGCTTACGTTTAGCTCAGAGGCGGAACATGAAAAGCGAACATCAACTGGCTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210274 representing BC054113  
 Red=Cloning site Green=Tags(s)

MLPFAPVEDPWDQEDMEVFGSTSSSEPQVVFTMKNAATVMREHERKEVNDLKMVDEPMEEGEPVSCRREE  
 LVKEVPIQHVKEGYEKADPAQFDLLKVLGQGSFGKVFLVRKKTGPDAGQLYAMKVLRKASLKVRDRVRT  
 KMERDILVEVNHPIVKLHYAFQTEGKLYLILDFLRGGDVFTRLSKEVLFTEEDVKFYLAELALDHLH  
 RLGIVYRDLKPENILLDEIGHIKLDFGLSKESVDQEKAYSFCGTVEYMAPEVNNRRAHSQSADWWSYG  
 VLMFEMLTGTLPFQKDRNETMNMILKAKLGMPQFLSAEAQSLLRMLFKRNPANRLGSEGVEEVKRHAFF  
 ASIDWNKLYKREVQPPFRPASGKPDFTCFDPEFTAKTPKDSPLPASANAHLFKGFSFVATSI AEEYK  
 ITPVTSSNVLPIVQINGNAQFSEAYELKEDIGIGSYSVCKRCIHSASNVEFAVKIIDKNKRDPSSEEIEI  
 LMRYGQHPNIIISLKEVFDGKYVYLVTDLMKGSELLDRILKKKCFSEQEASNVLVYITKTV ECLHSQGVV  
 HRDLKPSNIIYMDESAHPDSIKICDFGFAKQLRGENLLLTPCYTANFVAPEVL TQQGYAACDIWSLGV  
 LLYTMLAGYTPFSNGPNDTPEEILLRIGNGRFSLSGGIWDNISRGAKEAVAAPYSLARNPNRHHPILEP  
 VTASRLAQRNMKKRTSTGL

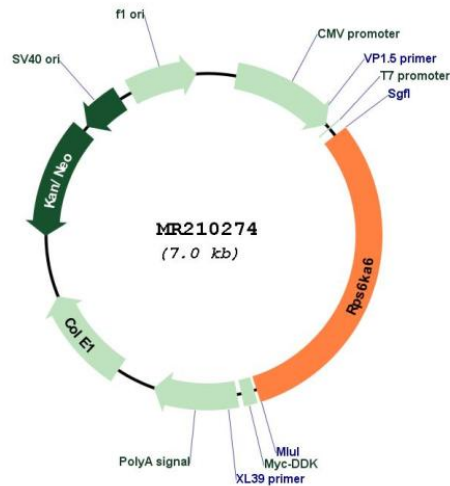
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** BC054113

**ORF Size:** 2160 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:** [BC054113.1](#)

**RefSeq Size:** 3906 bp

**RefSeq ORF:** 2162 bp

<b>Locus ID:</b>	67071
<b>Cytogenetics:</b>	X E1
<b>MW:</b>	143.2 kDa
<b>Gene Summary:</b>	Constitutively active serine/threonine-protein kinase that exhibits growth-factor-independent kinase activity and that may participate in p53/TP53-dependent cell growth arrest signaling and play an inhibitory role during embryogenesis.[UniProtKB/Swiss-Prot Function]