

## Product datasheet for **MC217810**

### Rps6kb2 (BC066842) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rps6kb2 (BC066842) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rps6kb2  
**Synonyms:** S6K2, 70kDa  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >BC066842  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGCGGTATTTGATTTAGACTTGGAGACCGAGGAAGGGAGCGAGGGCGAGGGCGAACCGGAGTTCA  
GCCCTGCGGACGTGTGTCCCCTTGGCGAATTAAGGGCTGCTGGCCTGGAGACAGTGGGACACTATGAAGA  
AGTAGAGCTGACAGAGAGCAGCGTGAACCTGGGTCTGAGCGCAACGGGCCCACTGCTTTGAGCTACTG  
AGTGTACTGGGCAAGGGGGGCTATGGCAAGGTGTTCCAGGTGAGAAAAGTCAAGGCACCAACTTGGGAA  
AAATATATGCCATGAAGGTCTTAAGGAAGGCCAAGATTGTATGCAGTGCCAAGGACACAGCCCATACCCG  
GGCTGAGAGGAACATTCTAGAATCTGTGAAGCATCCCTTCATTGTAGAAGTGGCCTATGCTTTCCAGACA  
GGTGGCAAACCTACCTCATCCTGGAGTGCCTCAGTGGTGGTGGAGCTCTTACACATCTTGAGCGAGAAG  
GCATCTTCTGGAAGACACAGCCTGCTTACCTGGCAGAGATCACACTAGCCCTGGGCCATCTCCATTC  
CCACGGCATCATCTACCGGGACCTCAAGCCTGAGAACATCATGCTCAGCAGCCAGGGCCACATCAAAGT  
ACAGACTTTGGACTTTGCAAGGAGTCCATTGAGGGTGCATCACTCACACCTTCTGTGGCACCATTG  
AGTACATGGCCCCAGAGATTCTAGTGGCAGTGGTCAACCGGGCAGTGGACTGGTGGAGCCTGGGAGC  
CCTGATGTACGACATGCTCACTGGATCGGCAAGTCCAGCTTCTTGGGCGAGGGTGGGTGTTGGGGAGA  
TCCCTTCCAGTTGGGGCAGACTGGGTGGGAGGCCCTAG

**ACGCGT**ACGCGGCGCCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** BC066842  
**Insert Size:** 882 bp



<b>OTI Disclaimer:</b>	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>	<a href="#">BC066842</a> , <a href="#">AAH66842</a>
<b>RefSeq Size:</b>	2105 bp
<b>RefSeq ORF:</b>	881 bp
<b>Locus ID:</b>	58988
<b>Cytogenetics:</b>	19 A
<b>Gene Summary:</b>	Phosphorylates specifically ribosomal protein S6. Seems to act downstream of mTOR signaling in response to growth factors and nutrients to promote cell proliferation, cell growth and cell cycle progression in an alternative pathway regulated by MEAK7.[UniProtKB/Swiss-Prot Function]