

## Product datasheet for MC204890

### Rap2b (NM\_028712) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rap2b (NM\_028712) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rap2b  
**Synonyms:** 4021402C18Rik; AA408554  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC032168  
 CCACGCGTCCGCCACGCGTCCGCCACGCGTCCGCGGACGCGTGGGCGCGGGCAGTAGGAAGCCCTC  
 GCCCAGCGGAGGCTGCGGGAGACAGAGGAGAGAGTGTGGGTGCGGGAGCTGGACGCAGCTTCCGCGG  
 GGAATCATGCCACGCGTGTCTCAGCCGGACGCCAATTAGCAGCCGCTCTGCAACCAGCCGCCACCTCC  
 TCCCGGCCCTCCAGGCTGCCGGGGCAAGAGCTCCAGCCGTTGTCTTGTCCGGCTGCGCGCATTGTCC  
 TCAGGGTCTCCGACAGGGCTGCTGCGGGGCCGGACCCGCGCCCTAGGGACGCGCCCCGCTGCCGGT  
 CGGCTGGCGGGGCTCTGCTAGTCTGTTGGCGAGCCCGTGTACCGGGCTAGTCTCGCCGGGTTTTT  
 CCTGCGAAGTTGAGGAAGGGGAGAAGTCCACCCGTCGCCACGCCAGCCTTCCCGGGCGCGAGCCCCG  
 ACGGGGCCGCGCAGGCGCGACGAGGGCGCGGAGCCATGAGAGAGTACAAAGTGGTGGTACTGGGC  
 TCGGGCGCGTGGCAAGTCCGCGCTCACCGTGCAGTTCGTAACAGGTTCTTCATCGAGAAGTACGACC  
 CGACCATCGAGGACTTTTACCGCAAGGAGATCGAGGTGGACTCGTCGCCGTCGGTCTGGAGATCTTGA  
 CACCGCGGGCACGAGCAGTTCGCTCAATGCGGGACCTGTACATCAAGAATGGCCAGGGCTTCATTCTC  
 GTCTACAGCCTGGTCAACCAGCAGAGCTTCCAGGACATCAAGCCCATGCGGGACAGATCATCCGCGTGA  
 AGCGGTACGAGCGGTACCCATGATCCTGGTAGGCAACAAGGTGGACTTGGAGGGTGAACGTGAGGTCTC  
 CTATGGCGAGGGTAAGGCCCTGGCCGAGGAGTGGAGCTGCCCTTCATGGAGACATCGGCCAAAAACAAA  
 GCCTCAGTGGATGAGCTATTCGACAGATCGTGAGGCAGATGAATACGCGGCACAGCCAAACGGCGACG  
 AGGGTCTGCTCGCCCTGCGTATCCTGTGAGGCGCCGCTGCCCGCGGGCGCTGGCCACGCTCTGTGC  
 ACAAAGCCAAACGCACCCGATTCTTAATGTGATTGTCTTCTTGTCTTGGATTGGAGACGACTTTGTT  
 GTCTTGGCTGGGATGTCGAGGAACCTGGCTGACTTGTGTAGCCAGCATCCCCAGCCTTCAGCCAGGGTC  
 TGAGAGGGTGTACGTTGCAGAGCATCTGAGACCCGCGTGGAAAAATGGCTCTATACAGCGTGTACGTTCC  
 TCGTTGATTTTGGTTTCATGCATATTTCCCGTTTTAAATAGCCATTAAGGCTCTGTATTGGCTGCTTGACA  
 CCGCAAGCAAAAGTTTCAAACCTGAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_028712  
**Insert Size:** 552 bp



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<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="#">BC032168</a> , <a href="#">AAH32168</a>
<b>RefSeq Size:</b>	1440 bp
<b>RefSeq ORF:</b>	552 bp
<b>Locus ID:</b>	74012
<b>UniProt ID:</b>	<a href="#">P61226</a>
<b>Cytogenetics:</b>	3 E1
<b>Gene Summary:</b>	Small GTP-binding protein which cycles between a GDP-bound inactive and a GTP-bound active form. Involved in EGFR and CHRM3 signaling pathways through stimulation of PLCE1. May play a role in cytoskeletal rearrangements and regulate cell spreading through activation of the effector TNIK. May regulate membrane vesiculation in red blood cells. [UniProtKB/Swiss-Prot Function]