

## Product datasheet for **MC222069**

### Rasa2 (NM\_053268) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rasa2 (NM_053268) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rasa2
Synonyms:	5430433H21Rik; AA517451; AU023900; GAP1m
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222069 representing NM\_053268  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGCGGCAGCGCCTGCTGCGGCGGCTTCTCCGAGGCGCCGCGCTCTCGGCAGCGCAGACCCGG  
 AGACGGGAGACGAGGACAGTCTGAGGTCGAGTCCGAGTCTGCAGAGCCTGCGCGCAGGATCTATGAAGCAAA  
 AAATTTATTGCCATATCTTGGACCAACAAAATGCGCGATTGTTTCTGCACTATAAATTTGGACCAGGAA  
 GAAGTTTATCGCACCCAGGTTGTTGAAAAGTCTTTAAGTCCATATTTCAAGTGAAGAATTTATTTTGAGA  
 TTCCAAGAATTTCCAGTATTTGTCTTTTTATGTTTATGATAAAAATGTTTTACAAAAGAGATCTTCGTAT  
 AGGAAAAGTAGCCATCAAAAAGAAGACTTGTGCAGTCAAGTGGTAAAGAACTGGTTTTCACTGCAG  
 CCGATTGACTCAAATTCAGAAGTTCAGGAAAAGGTTACCTTGAGTTAAGACTGAATGAGCTGATAACAG  
 AGAATGGAACCGTGTGCCAGCAGCTTGTGTACACATCAAGGCCTGCCATGGGTTGCCTCTCATAAACGG  
 ACAAAAGCTGTGATCCTTATGCAACAGTGTCCCTCGTGGGCCCTCTAGGAATGACAAAAGAAGACAAA  
 GTAAGAAGAAAACAAGCAATCCACAGTTCAATGAAGTCTTCTATTTTGGAGTAAACCAGATCCAGCAGTT  
 ACAGCAGGAAGTCCCAGTTCAGGTGGAGGAGGAGACATTGAGAAGCTGGAGATCAGGATTGACTTGTG  
 GAATAATGAAAACCTAGTCCAAGATGTTTTCTGGGAGAGATTAAGGTTCTGTCAATGTGTTAAGAAGT  
 GATTCCTTTATCAAGCCTGGTACTTGTACTACAGCAAGAGACAATGGAACAATCATCTAAAACCGATG  
 ACCTGGGATCTCTTCTGTTAACTCTCTGCTATACAGAAGACTGCGTGTCTCCATCAGAGTACTATGGACC  
 GCTGAAAACCTTTGCTGCTAAAGTACCAGATGTTACGCCAGTATCCGCCCTCAGCTGCTTATATTTGGGT  
 GAAATATGTCAAGATCAAAAGGATGCTGTTTTGCCCTTGTACGACTGTTGCTGCATCACAATAAAGCTTG  
 TCCCTTTTACTCTGCGGTGGCCGAGCTGGACTGGAAGTACTCCAGATGCCAACGCAATATTTAGAGG  
 AAATCCCTGGCTACCCAGTGTCTGACTGAGATGATGAAGATAGTGGGAGGGCACTACCTGAAAGTACCG  
 CTGAAGCCGTTCTAGATGAGATATGTGAATCCTCGAAATCCTGTGAAATAGATCCTGTTAAGTTGAAAG  
 AGGGAGATAATGTAGAGAATAAAGGAGAATCTGTACTACTATGTGGACAAAAGTATTCAATACAATCGT  
 AGGATCAAGTGTGAGCTGCCCCACTGTGATGTGTGATATTTTTATTCTCTGAGGCAATGGCTGCTAAG  
 AAATTTCTAATCACCTCATGTTCAAGTACTCTGCAGTGAAGCAGCTTTGTCTTCTTCTGTTTCTTTGCTG  
 TAGCGTACTCTCACCTCATGCTTTTCATTTGCGACCTCATTATCCAGATACACAGACAGTTAGGACATT  
 GACTCTCATCTCAAAAACCATTCAGATTATTGAAAACCTGGGATGTCAGTCCAGAAAAAAGTACCGGTTT  
 AAAAGTCAAGTATGTGTAATTTCTCAAATGTTTCAAGAAGAAAGATATTTTACAGATGTGAAAAGT  
 TCTTGGATGAAATTTCTACGAAACTAAAGAGTCCAGTGGTACGAGTGAACCTGTGCACCTGAAAGA  
 AGGTGAGATGTATAAGAGAGCTCAAGGAAGAACCCTATTGAAAAGAAGAACTTCAAGAAACGATGGTTC  
 TGCTTGACGAGCAGAGAGCTCACCTACCACAGACAGCAAGGCAAAAGATGCAATTTACACTATTCCAGTAA  
 AAAATATCTTGTGTGGAAAAATTGGAAGAAGGCTCTTTCAACAAGAAAAATATGTTCCAAGTGTATACA  
 TACAGAGAAAACGCTGTACATCCAAGCAAACTGTGTGGAAGCCAATGAGTGGATAGATGTCTGTGC  
 AGGGTGAAGCAGATGCAACCACAACAGGCTCAGCTTTCCACCCCTCAGCGTATCTCAACGGAAACTGGC  
 TCTGCTGCCAGGAGCAGTGAAGCAGAGAAACAGAAAGAAATTTATTCTATTTTACCCTCAGTTTACTTAA  
 CCAGATAGATATCGATGAAGACAGAGAAACAGAAAGAAATTTATTCTATTTTACCCTCAGTTTACTTAA  
 CTGCAGAAAAATGGAAGACCTGTGGTCTATAGCTGTGTATCAGGGGCCACAGAAAGAACCTGGTTATT  
 CTAAGTTCACCATTGAGGATTCTGTTGCAACCTTTAAGACAATTCAGCAAATCAAAAGCACCATAGAGAA  
 GCTCGATGAACCTCATGAGAAATACAGAAAGAAAAGATCGAGTAGTGAAAATACGGAAGCAAGGAAAAT  
 CCAATTGTTGAAAAATATCA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_053268  
**Insert Size:** 2544 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="#">NM_053268.2</a> , <a href="#">NP_444498.2</a>
<b>RefSeq Size:</b>	5699 bp
<b>RefSeq ORF:</b>	2544 bp
<b>Locus ID:</b>	114713
<b>UniProt ID:</b>	<a href="#">P58069</a>
<b>Cytogenetics:</b>	9 E3.3
<b>Gene Summary:</b>	Inhibitory regulator of the Ras-cyclic AMP pathway. Binds inositol tetrakisphosphate (IP4) and phospholipids.[UniProtKB/Swiss-Prot Function]