

## Product datasheet for **RN204340**

### Rasa1 (NM\_001108335) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rasa1 (NM_001108335) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rasa1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN204340 representing NM\_001108335  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCAAGACGGCTCTCTGAGTATCCGCGTGGTGGAGGACGGGCGCTGCCGCCAAGGACGTGTCTG  
 GGAGCAGTGACCCTACTGTCTTGTGAAAGTGGATGATGAGGTGGTGGCCAGGACAGCAACCATCTGGAG  
 GAGCCTGAGCCCTTTTGGGGGAGGAGTACACTGTTACCTTCCACTGGACTTCCACCACCTGGCCTTC  
 TACGTGCTGGATGAGGATACTGTTGGACACGACGACATCATTGGGAAGATCTCCTTGAGCAAAGAGGCGA  
 TCACAGCGGACCCTCGAGGGATTGACAGCTGGATCAACCTGAGCCGAGTGGATCCAGATGAGGAAGTGCA  
 GGGTGAGGTCTGCCTGGCTGTGAAGCTGCTGGAGGATGCTCGGGGAGATGCCTCCGCTGCCACGTGAGA  
 CAGGCCAGGGACCTGGCCCTCGGGACATCTCTGGCACATCGGACCCATTTGCCCGTGTGTTCTGGGGCA  
 GCCGTAGTTTGGAACTTCGACCATCAAGAAGACCCGATTCCACATTGGGATGAGGTGCTGGAACCTACG  
 AGAGGCTCCGGGAACCACATCCCGCTGCGAGTGGAACTCTGGGATTGGGACATGGTGGGCAAAAATGAC  
 TTCTGGGCATGGTGGAAATTCACCCACAGACCCTCCAGCAGAAGCCACCAATGGCTGGTTCGGTCTCC  
 TGCCTTTTCTAGAGCTGAGGATTCTGGGGGAGCCTGGGTGCCCTGCGCTGAAGGTGCGCCTCACTGA  
 GGACCGGGTCTGCCTTCCAGTACTACCAGCCTCTCATGGAAGTCTTCTGGAGTCCGTGCAAGGGCCA  
 GCCGAGGAGGACACCACCAGCCCTGGCATTGCTAGAGGAGTTGGCCTCTGGGGACTGTGCTCAGGACC  
 TTGCCACAAACTGGTGAAGCTTTTCTGGGCCGGGCGCTGGCTGGGCCCTTTCTAGATTACCTCACAAG  
 GCGTGAGGTGGCACAACCAATGACCCCAACACCTCTCCGTTCTAACTCCTTGGCATCCAAGTCGATG  
 GAACAGTTCATGAAACTCGTGGCATGCGCTACCTGCATGAGGTCTGAGGCCGGTATCAGCCCGCTCT  
 TCGAGGAGAAGAAATATATGGAGCTGGACCTTCCAAGATGGACCTGAACCGCTCCCGGAGAATCTCCTT  
 CAAGGGCACACCACGGAGGAGCAGGTGCGGGAGACCAGCCTGGGGCTGCTGACCGGATACCTGGGGTCC  
 GTTGTGGACGCCATCGTGAAGTCTGCGGGGCGCTGCCACTTGCCTGCGCTTAGCCTTTAAGCAACTCC  
 AGCAGTGTGTGGAGAAGCGCTTCCCTGGGATGGAGCATCAGGACGTGAAGTACTTGGCCACTAGCGGCTT  
 CCTCTTCTGCGGTTCTTTGCGCCCGCCATCCTCACACCGAAGCTGTTTGACCTCAGAGACCACCACGCA  
 GACCCCCAGACCAGCCGCTCCCTGCTGCTTGGCAAGGCTGTGCAGAGCATTGGAACCTGGGCCAGC  
 AGCTGGGCCAGGGCAAAGAGCAGTGGCTAGCCCCCTCCATCCCTTCTGCTGCAGAGCATCTCACGTGT  
 GAGGGACTTCTGGACCAGCTGGTGGATGTGGATGGGGATGAGGAGGCTGGGGGATCAACCTGCGCCCTG  
 GTCCAACCCTCAACAATTGTTTCGAGAAGGCTTTCTGCTGAAGCGCAAGGAGGAGCCTGCAAGCCTGGCCA  
 CCCGCTTTGCCTCAAGAAGCGCTACTTCCGACTGAGTGGGCGGGACCTCTCTACTCTAAGACTCCTGA  
 GTGGCAGGTTCACTCATCCATCCCGTTGCTGCTGATCCGGGCTGTGGAGCGTGTGGATGAGGGTGCCTTC  
 CAACTGCCACATGTCATGCAGGTGGTGACACAGGATGGCACCGGGGCATCACACACCACCTACCTCCAGT  
 GCAAGAACGTGAATGACCTCAATCAATGGCTGTGACCCCTGCGCAAAGCCAGCGCCCCCAACCCGGGCAA  
 GCTGGCTGCTTGTACCCTGGTGCCTCCGCGAGCGGGCGCTGGACCTGCTGCCTCCAGGCCGAGCGCTCA  
 GCTGTTGGCTGTAGCCGACACACTCAGCTGTGACGCTGGGAGACTGGAGTGACCCACTGGATCCTGACG  
 CCGAAGCCAGATGGTGTATCGCCAGCTGCTCCTGGGCCGAGACCAGCTCAGGCTGAAACTGCTGGAGGA  
 TCCAGCCTGGACACAGCTCCAGATGTGGACCCCTGGGAAGGACTCCAGTGTGATAGTGGCCCTGTGCT  
 GAGGTTCTAGCCAGCAGAGGGAGGCCACCACCCGCTGCTGTCAGGTACTTGAAGACTTGGAGCAAGCCC  
 ATGAGGAATTCAGAAACGGGGC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001108335  
**Insert Size:** 2406 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>	<u><a href="#">NM_001108335.1</a></u> , <u><a href="#">NP_001101805.1</a></u>
<b>RefSeq Size:</b>	3238 bp
<b>RefSeq ORF:</b>	2406 bp
<b>Locus ID:</b>	360814
<b>Cytogenetics:</b>	12q16