

Product datasheet for **RN203256**

Rasa2 (NM_001105724) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rasa2 (NM_001105724) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rasa2
Synonyms:	GAP1M
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203256 representing NM_001105724
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCAGCGCCTGCTGCGGGCGCTTTAACCGAGGCGCCGGCCGTCGCCGGCACCAGAACCCG
 AGACGGGAGACGAGGACAGTCTGAGGTCCGAGTCTGCAGAGCCTGCGGGCAGGATCTATGAAGCAAA
 AAATTTATTGCCATATCTTGACCCAACAAAATGCGGGATTGTTTCTGCACTATAAATTTGGACCAGGAA
 GAAGTTTATCGCACCCAGGTTGTTGAAAAGTCTTTAAGTCCATATTTAGTGAAGAATTTATTTTGAGA
 TTCCAAGAATTTCCAGTATTTGTCATTTTATGTTTATGATAAAAATGTTTTACAAAAGAGATCTTCGTAT
 AGGAAAAGTAGCCATCAAAAAGAAGACTTGTGCAGTCAAGTGGTAAAGAACTGGTTTTTCATTGCAG
 CCTATTGACTCAAATTCAGAAGTTCAGGAAAAGTTCACCTTGAATTAAGTGAATGAATTGATAACAG
 AAAATGGAAGTGTGTGCCAGCAGCTTGTGTACACATCAAGGCATGCCACGGGTTGCCTCTTATCAATGG
 ACAAGCTGTGATCCTTACGCAACAGTTTCCCTCGTGGGCCCTTCCAGGAATGACCAAAAAGAAGACAAA
 GTAAGAAGAAAACAAGCAATCCACAGTTCAATGAAGTCTTACTTTGAGGTAACCAGATCCAGCAGTT
 ACACCAGGAAGTCCAGTTCAGGTGGAGGAGGAAACATTGAGAAGCTGGAATCAGGATTGACTTGTG
 GAATAATGAAAACCTAGTTCAAGATGTTTTCTGGGGGAGATTAAGGTTCTGTCAATGTGTTAAGAAAT
 GATTCCTCTCATCAAGCCTGGTACTTGTACAACCAAGAGACAATGGAACAAGTCGTCTAACCTGATG
 ACCTGGGATCCCTCCTGTTAACTCTGTGTACACAGAAGACTACGTGCTCCCATCAGAGTACTATGGACC
 CTTGAAAGCTTTGCTGCTAAAATCACCAGATGTTACGCCAGTATCCGCCCTCAGCTGCTTATATTTGGGT
 GAAATATGTCGAGACCAGAAGGATGCCGTTTTGCCCTCGTACGACTGTTGCTGCATACAATAAGCTTG
 TTCCCTTTACTCTGCGGTGGCTGACCTGGACTGAAGGATACTCAAGATGCCAACGCAATATTTAGAGG
 AAATCCCTGGCTACCCAGTGTCTGACTGAGATGATGAAGATAGTGGGAGGGCACTACCTGAAAGTCACA
 TTGAAGCCTGTTCTGGATGAGATATGTGAGTCCGAAATCCTGTGAAATAGATCCTGTTAAGTTGAAAG
 AGGGAGATAATGTGGAGAGTAATAAGGAGAATCTGTACTACTATGTGGACAAAAGTATTCAGTGGCATCGT
 AGGATCAAGTGTGAGCTGTCCACTGTGATGTGTGATATTTTTATTCTCTGAGACAGATGGCTGCTAAG
 AGATTTCTAATAACCTCATGTTCACTACTCTGCCGTGAGCAGCTTTGTGTTTCTTCGTTTCTTTGCTG
 TAGCGATTCTGCACCTCATGCTTTTCATTTGCGACCTCATTATCCAGATACACAGACAGTTAGGACTTT
 AACTCTCATCTCAAAAACCATTCAGATTATTGAAAAGTGGGATGTCAATCCAGAAGAAAGTACCGGTTT
 AAAAGTCAAGTATGTGTAATTTCTCAAATGTTTCAAGAAGAAAGGATTTTACAGACGTGAAAAGT
 TCTTGGATGAAATTTCTGCTACGGAAACTAAGGAGTCCAGTGGTACGAGTGGCCTGTGCACCTGAAAGA
 AGGTGAGATGTATAAAGAGCTCAAGGAAGAACCCTATTGGAAGAAAAGAACTTCAAGAAACGATGGTTC
 TGCTTGACAAGCAAGAGCTCACCTACCACAAACAGCAAGGCAAGATGCAATTTACACTATTCCAGTAA
 AGAACATTTCTGCTGTGGAAAAGTCTTTCAACAAGAAAATAATGTTCCAAGTATGATCCCA
 TACGGAGAAAACGCTGTACATCCAAGCGAATAACTGTGTGGAAGCTAATGAGTGGATCGACATGCTGTGC
 AGGGTGAAGAGTGAACCAACAGGCTCAGCTCCTTCCACCCGTCAGCATATCTCAACGGAAACTGGC
 TCTGCTGCCAGGAGACCAGTGAAGGCACACCAGGCTGCAAGCCATGCACTGCAGGCATCCCTGCAGACAT
 CCAGATAGATATTGATGAAGACAGAGAAAACAGAAAGATTTACTCCGTTTTTACCCTCAGTTTACTTAAA
 CTGCAGAAGATGGAAGAGGCTTGTGGTCTATAGCTGTATATCAGGGGCCACAGAAAAGAACTGGTTATT
 CTAAGTTCACCATCGAGGATTCTGTGCAACCTTTAAGACAATTCAGCAATAAAAAGCACCATAGAGAA
 ACTAGATGAACCTCATGAGAAATACAGGAAGAAAAGATCGAGTAGTGCAAAATACGGAAGCAAGGAAAAT
 CCAATTGTGGAAAAATATCA**TAG**

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001105724
Insert Size: 2544 bp

OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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:	<u>NM_001105724.1</u> , <u>NP_001099194.1</u>
RefSeq Size:	2556 bp
RefSeq ORF:	2544 bp
Locus ID:	25597
UniProt ID:	<u>Q63713</u>
Cytogenetics:	8q31
Gene Summary:	activates Ras GTPase [RGD, Feb 2006]