

Product datasheet for **RN211851**

Rasa3 (NM_031574) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rasa3 (NM_031574) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rasa3
Synonyms:	R-ras gap
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211851 representing NM_031574
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGTGGAGGAAGAGGGACTGCGGGTCTTCCAGAGCGTGAGGATCAAGATTGGTGAAGCCAAGAATC
 TCCTTCTACCCGGGGCCAAACAAGATGAGGGACTGCTACTGCACTGTGAACCTGGACCAGGAGGAGGT
 TTTCCGGACCAAATCGTAGAGAAGTCACTCTGCCCTTTTACGGAGAGGACTTTTACTGTGAAATTCCT
 CGGAGTTTCCGCCACCTGTCCTTTTACATTTTTGATAGAGACGTTTTCCGAAGGGATTCCATCATAGGCA
 AGGTGGCCATCCAGAAGGAAGACTTGCAAAGGTACCACAACAGGGACACATGGTTCCAGCTCCAGCATGT
 GGATGCTGACTCAGAGGTGCAGGGCAAGGTCCACCTGGAGCTGAGACTGAGTGAGTGCATTACAGACACT
 GGTGTTGTCTGCACAACTCGTCACGCATCTTCGAGTGCCAGGGACTCCCCATTGTGAACGGGCAGT
 GCGACCTTACGCCACCGTGACATTGGCCGGACCCTTCAGGTCTGAAGCGAAGAAAACCAAGGTGAAGAA
 GAAAACCAACAACCCCCAGTTTCGATGAGGTGTTTTATTTGAGGTGACCAGACCTGCAGCTACAGCAA
 AAGTCCCCTTCGACTTCGAGGAGGAGGACGTTGACAACTTGAAATCCGAGTTGACCTCTGGAACGCCA
 GCAACCTGAAGTTTGGGGATGAGTTTCTCGGGGAGTTGAGGATCCCTCTCCATGTGCTGCGATACGCCAG
 TTCTTACGAAGCCTGGTACTTCTCCAGCCCCGAGACAATGGCAGTAAGAGCGTGAAGCCAGATGACTTA
 GGGTCGCTGAGGTTAAATGTAGTTTACACAGAAGACCAGTCTTCTCCTCTGAGTACTACAGCCACTAC
 GTGACCTGTTACTGAAGTCTGCGGATGTGGAGCCTGTCTCAGCTTCAGCAGCGCACATCTCGGGGAGGT
 GTGCAGAGATAAGCAAGAGGCAGCCATCCCCTGGTACGGCTCCTGCTGCACTATGGCAGGAGTGGCC
 TTCATCAGTGCCATCGCTAGCGCAGAGGTGAAGAGGACCCAGGACCCCAATACCATCTTCGAGGAAACT
 CACTGACCTTAAGTGCATAGATGAGACAATGAAGTGGCGGGCATGCACTATCTCCAGCTGAAAGTGA
 GCCACCATTTAGGAGATCTGCCAGAGCCATAAGTCTGTGAGATCGACCCTGTGAAACTGAAAGATGGC
 GAAAACCTTGAGAACACATGGAGAGCCTGAGGCAGTATGTGGATCGAATATTCAGTGTCATCACTAAGT
 CAGGGGTGAGTGCCCCACCGTCATGTGTGACATCTTCTTCTCCCTGCGGGAGGCAGCTGCCAAGCGCTT
 CCAAGATGACTTGGATGTGAGGTATACCGCCGTGAGCAGCTTCATCTTCTGAGGTTCTTCGCTCCCGCT
 ATCCTGTCCCCGAACCTTTTCCAGCTGACGCCCCACCATACGGATCCACAGACTTCTAGAACCCTGACGC
 TTATCTCAAAGACCATCCAGACCCTTGGCAGCTTGTCCAAGTCCAAGTCTGCCAGTTTTAAGGAGTCATA
 CATGGCGAGTTCATGAATCTTCAATGAGCAGAAGTATGCAGATGCCGTAAGAATTTCTGGATTTG
 ATCTCATCTCCGGGAGAAGGGACCCCAAGAGCATAAGAGCAGCCATCCTGCTTAAAGAAGGCTTCATGA
 TCAAGCGGGCCCAAGGAAGGAAACGCTTTGGAATGAAGAATTTCAAGAAGAGGTGGTTTTCCCTCACGAA
 CCACGAGTTCACCTACCAGAAAAGCAAAGGTGATCAGCCGCTCTGCAACATCCCCATCGAGAACATCTTG
 GCCGTGGAGAGGTTAGAGGAGGAGTCTTCCGAATGAAAAATATGTTCCAGGTATCCAGCCAGAGCGTG
 CACTGTACATCCAGGCCAAACACTGTGTGGAGGCCAAGGACTGGATTGACATCCTCACAAAAGTGAGTCA
 GTGCAACCAGAAGCGGCTCACAGTCTTCCACCCATCGGCCTACCTGAACGGCCACTGGCTTTGCTGCAGG
 GCCTCTTACAGACCCGCTATTGGCTGCACTCCCTGCACTGGTGGGCTCCCAGCAAACATCCAGCTGGACA
 TTGATGGGACCCTGAAACAGAGCGCATCTACTCTCTTTAACCTGTACATGGGCAAGTTGAAAAGAT
 GCAGGAGGCTGCGGCAGCAAGTCCGTATACGATGGCCCTGAGCAGGAGGAATACTCAACATTCATCATC
 GATGACCCCAAGGAGACGTACAGGACGCTGAAGCAGGTATCGCTGGGGTGGGGACCCCTTACAGCAGGAGC
 ACGCGCAGTACAGGAGGAACAAGTTCAAGAAGCAGAGATACGGGAGCCAGGAGCACCCCTATTGGAGACAA
 GAGCTTCCAGAATACTACAGGCAGCAGTCTGAGATCTCAACCCATTCCATT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_031574
Insert Size: 2505 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:	NM_031574.1 , NP_113762.1
RefSeq Size:	2518 bp
RefSeq ORF:	2505 bp
Locus ID:	29372
UniProt ID:	Q9QYJ2
Cytogenetics:	16q12.5
Gene Summary:	R-ras GTPase activating protein [RGD, Feb 2006]