

Product datasheet for **RN206131**

Rasa1 (NM_013135) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rasa1 (NM_013135) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rasa1
Synonyms:	GAPX; Rasa
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN206131 representing NM_013135 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGGCGGCCGAGGCGGGCAGTGAGGAAGGCGGCCCGGCGACCGCGGGGACCGCGGGCCGCGGCCGCGGCCA
CGGGCTCCAGCGCTACCCAGCAGCGTGCCGGTAAAGTTACCCGCGGCCCTCCGATGGCAGTCGCCCC
GTGTCCTGGGCTGGCGGACCCGACCTGGCTGCGGCCCTCGTGGGGAGCCGCGTGGGGTCCGGGTTCC
CTGGGGACCGGGCCGGTGTCTGGTGTCTGGGGGCGCCGCGCTACCGCGGTGCTGCAGCTGGCGTGG
CGGGTGTGCAGCCGCTGGACCTGCCGGAGACATCGCTCTCACCAGGGGACTCTCTCTGCTGCTGA
GACTCTCGGGCCGGGCGGCGGATTCCCTCCTGCGCCCTCCTCCTGTGCTCCTTTGGGCTCCGGT
CTGGGGACAGTGGATGAAGGTGACTCCTGGATGGACCAGAATACGAGGAGGAAGAGGTGGCCATACCGC
TGACCGCACCTCCAATAACCAAGTGGTATCATGAAAACTTGATAGAACTATAGCAGAAGAAGCGCTCAG
GCAGGCAGGAAATCTGGAAGCTACCTATAAGAGAGAGTGATCGGAGGCCAGGGTCTTTGTACTTTCA
TTCTTAGCCAGACAAAATGTTGTCAATCTTTAGGATTATTGCTATGTGTGGTACTACATACATTTGGT
GAAGCGTTTTTCTCACTCTCAGACCTAATAGGATATTACAGTCACGTTTCTTGTAAAGGAA
AAAATTACTCTACCCAGTTGCACCACCAGGCCAGTAGAAGATAGAAGAGGTGTACGAGCCATTCTGCC
TACACAAAAGTACCAGACACTGATGAAATAAGTTTCTAAAGGGAGATATGTTTATTGTTACAATGAGT
TAGAAGATGGATGGATGTGGTTACAACTAAGAACAGATGAGCAAGGCCTTATTGTTGAGGACCTAGT
GGAAGAGGTGGCCGAGAAGAAGATCCACATGAAGGCAAATA TGTTCCATGGGAAGATTTCCAACAA
GAAGCTTATAATTTAATGACAGTTGGCCAAGTCTGCAGCTTTCTTGTGAGGCCCTCAGATAATACTC
CTGGAGATTATCCCTGTATTTTCGACCAATGAAAATATCCAGCGATTTAAAATTTGTCCAACACCTAA
CAATCAGTTCATGATGGGAGCCGCTATTATAACAGTATTGGGGACATCATAGACCACTATCGGAAAGAA
CAGATTGTTGAAGCTATTATCTTAAGGAACCTGTACCAATGCAGGATCAAGGACAAGTACTCAATGACA
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TAAAAAAGGTTATCTTCTGAAGAAGGGCAAAGGAAAACGTTGGAAAAATTTATATTTTATCTTAGAGGGC
AGTGATGCCCAACTTATTTATTTGAAAGTGAAAAACGAGCTACAAAACAAAAGGGCTAATAGATCTCA



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GTGTATGTTCTGTCTACGTTGTCCATGATAGTCTCTTCGGCAGGCCAAACTGTTTTTCAGATAGTCGTTCA
 GCACCTTGTAGTGAAGAACATTACATCTTTTACTTTGCGAGGAAACTCCAGAAACAGCAGAGGATTGGATG
 AAAGGCCGTGAAGCATTTCAGTTTACGGAAAAGTAGCCAGGGACATCTAATAAACGCCTTCGTCAGG
 TCAGCAGCCTTGATTACATATTGAAGAAGCTCATAAACTACCAGTAAACACTTCACTAATCCATATTG
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 GAGGAGTTTGTCTTTGATGATCTTCTCCTGACATCAATAGATTTGAAATCACACTTAGTAATAAAACAA
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 AGGAACTTACAGTGTCTATGCTCTATCACACGTATGTGGACAAGACCGAACACTACTGGCCAGCATCCT
 ACTGAAAAATTTCTTCATGAAAAGCTTGAGTCATTGTTGTTATGCACACTAAATGACAGAGAGATAAGT
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 AAGCCACGGCCACGCAGTTTGTTCATCATGCTTTGAAAGACTCCATTTTAAAGATAATGGAAGCAAGCA
 ATCATGTGAGTTAAGTCCATCAAAGTTAGAAAAAATGAAGATGTGAACACTAATTTAGCACACCTATTG
 AGCATACTTTGAGAGCTTGTGGAGAAAAATTCATGGCTTCAGAAATACTCCACCGACACTGAGATATA
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 GATTCTCCATCTCCTATTGCTGCAAGAACACTGACATTAGTGGCTAAATCTGTGCAGAAATTTAGCAAATC
 TTGTGGAATTTGGAGCTAAGGAGCCTTATATGGAAGGTGTCAATCCATTCATCAAAGTAATAAACATCG
 CATGATCATGTTTTAGATGAACCTGGGAATGTACCTGAGCTTCCGGACACTACAGAACATTCTAGAACT
 GACCTGTCTCGTACTTAGCAGCATTGCATGAGATTTGTGTAGCTCATTGAGTGAAGTGAAGCAACTCA
 GTAATGAGCGTGGTGTACAGCAGCATGTACTGAAAAGCTTCTGGCAATAACAGAACTGCTTCAACAAAA
 GCAAAACCAAGTATACAAAACCAATGATGTCAGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_013135
- Insert Size:** 3117 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:**
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_013135.1](#), [NP_037267.1](#)
- RefSeq Size:** 3117 bp
- RefSeq ORF:** 3117 bp

Locus ID: 25676

UniProt ID: [P50904](#)

Cytogenetics: 2q11

Gene Summary: may play a role in Ras GTPase mediated signal transduction; may be involved in cell proliferation and cell migration [RGD, Feb 2006]