

Product datasheet for **RR204340**

Rasa1 (NM_001108335) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR204340 representing NM_001108335
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCAAGAGCGGCTCTCTGAGTATCCGCGTGGTGGAGGACGGGCGCTGCCGCCAAGGACGTGTCTG
 GGAGCAGTGACCCTACTGTCTTGTGAAAGTGGATGATGAGGTGGTGGCCAGGACAGCAACCATCTGGAG
 GAGCCTGAGCCCTTTTGGGGGAGGAGTACACTGTTCACCTTCCACTGGACTTCCACCACCTGGCCTTC
 TACGTGCTGGATGAGGATACTGTTGGACACGACGACATCATTGGGAAGATCTCCTTGAGCAAAGAGGCGA
 TCACAGCGGACCCTCGAGGGATTGACAGCTGGATCAACCTGAGCCGAGTGGATCCAGATGAGGAAGTGCA
 GGGTGAGGTCTGCCTGGCTGTGAAGCTGCTGGAGGATGCTCGGGGAGATGCCTCCGCTGCCACGTGAGA
 CAGGCCAGGGACCTGGCCCTCGGGACATCTCTGGCACATCGGACCCATTTGCCCGTGTGTTCTGGGGCA
 GCCGTAGTTTGGAACTTCGACCATCAAGAAGACCCGATTCCACATTGGGATGAGGTGCTGGAACCTACG
 AGAGGCTCCGGGAACCACATCCCGCTGCGAGTGGAACTCTGGGATTGGGACATGGTGGGCAAAAATGAC
 TTCTGGGCATGGTGGAAATTCACCCACAGACCCTCCAGCAGAAGCCACCAATGGCTGGTTCGGTCTCC
 TGCCTTTTCTAGAGCTGAGGATTCTGGGGGAGCCTGGGTGCCCTGCGCTGAAGGTGCGCCTCACTGA
 GGACCGGGTCTGCCTTCCAGTACTACCAGCCTCTCATGGAAGTCTTCTGGAGTCCGTGCAAGGGCCA
 GCCGAGGAGGACACCACCAGCCCTGGCATTGCTAGAGGAGTTGGCCTCTGGGACTGTGCTCAGGACC
 TTGCCACCAAAGTGGTGAAGCTTTCTGGGCCGGGCGCTGGCTGGGCCCTTTCTAGATTACCTCACAAG
 GCGTGAGGTGGCACAACCAATGACCCCAACACCTCTCCGTTCTAACTCCTTGGCATCCAAGTCGATG
 GAACAGTTCATGAACTCGTGGGCATGCGCTACCTGCATGAGTCTGAGGCCGGTATCAGCCCGCTCT
 TCGAGGAGAAGAAATATATGGAGCTGGACCCTTCCAAGATGGACCTGAACCGCTCCCGGAGAATCTCCTT
 CAAGGGCACACCACGGAGGAGCAGGTGCGGGAGACCAGCCTGGGGCTGCTGACCGGATACCTGGGGTCC
 GTTGTGGACGCCATCGTGAAGTCTGCGGGGCGCTGCCACTTGCCTGCGCTTAGCCTTTAAGCAACTCC
 AGCAGTGTGTGGAGAAGCGCTTCCCTGGGATGGAGCATCAGGACGTGAAGTACTTGGCCACTAGCGGCTT
 CCTTTTCTGCGGTTCTTTGCGCCCGCCATCCTCACACCGAAGCTGTTTGACCTCAGAGACCACCACGCA
 GACCCCCAGACCAGCCGCTCCCTGCTGCTTGGCAAGGCTGTGCAGAGCATTGGAACCTGGGCCAGC
 AGCTGGGCCAGGGCAAAGAGCAGTGGCTAGCCCCCTCCATCCCTTCTGCTGCAGAGCATCTCACGTGT
 GAGGGACTTCTGGACCAGCTGGTGGATGTGGATGGGGATGAGGAGGCTGGGGGATCAACCTGCGCCCTG
 GTCCAACCCTCAACAATTGTTTCGAGAAGGCTTTCTGCTGAAGCGCAAGGAGGAGCCTGCAAGCCTGGCCA
 CCCGCTTTGCCTCAAGAAGCGCTACTTCCGACTGAGTGGGCGGGACCTCTCTACTCTAAGACTCCTGA
 GTGGCAGGTTCACTCATCCATCCCGTTGCTGCTGATCCGGGCTGTGGAGCGTGTGGATGAGGGTGCCTT
 CAACTGCCACATGTCATGCAGGTGGTGACACAGGATGGCACCGGGGCATCACACACCACCTACCTCCAGT
 GCAAGAACGTGAATGACCTCAATCAATGGCTGTGACCCCTGCGCAAAGCCAGCGCCCCCAACCCGGGCAA
 GCTGGCTGCTTGTACCCTGGTGCCTTCCGAGCGGGCGCTGGACCTGCTGCCTCCAGGCCGAGCGCTCA
 GCTGTTGGCTGTAGCCGCACACACTCAGCTGTACGCTGGGAGACTGGAGTGACCACTGGATCCTGACG
 CCGAAGCCAGATGGTGTATCGCCAGCTGCTCCTGGGCCGAGACCAGCTCAGGCTGAAACTGCTGGAGGA
 TCCAGCCTGGACACAGCTCCAGATGTGGACCCGGGAAGGACTCCAGTGTGTAGATGGGCCCTGTGCT
 GAGGTTCTAGCCAGCAGAGGGAGGCCACCACCCGCTGCTGCAGGTACTTGAAGACTTGGAGCAAGCCC
 ATGAGGAATTCAGAAACGGGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204340 representing NM_001108335
 Red=Cloning site Green=Tags(s)

MAKSGSLIRVVEGRALPAKDVSGSSDPYCLVKVDDEVVARTATIWRSLSPFWGEETVHLLPLDFHHLAF
 YVLDEDTVGHDDIIGKISLSKEAITADPRGIDSWINLSRVDPDEEVQGEVCLAVKLLLEDARGRCLRCHVR
 QARDLAPRDISGTSDFARVFWGSRSLSTSIKKTRFPHWDEVLELREAPGTTSPRLVELWDWDMVGKND
 FLGMVEFTPQTLQKPPNGWFRLLPFPRAEDESGGSLGALRLKVRLTEDRVLPSSQYYQPLMELLLESVQGP
 AEEDTTSPLALLEELASGDCRQDLATKLVKFLGRGLAGPFLDYLTRREVARTNDPNTLFRSNSLASKSM
 EQFMKLVGMRYLHEVLRPVISRVFEEKKYMEKDPKMDLNRSRRI SFKGTPTTEEQVRETSGLLTGYLGS
 VYDAIVSSAGRCPLALRLAFKQLQCVEKRFPGMEHQDVKYLATSGFLFRFFAPAILTPKLFDLRDHHA
 DPQTSRLLLLAKAVQSIGNLGQQLGQKEQWLAPLHPFLLQSI SRVDFLDQLVDVDGDEEAGGSTCAL
 VQPSTIVREGFLLKRKEEPASLATRF AFKKRYFRLSGRDL SYSKTPEWQVHSSIPLSCIRAVERVDEGAF
 QLPVHMVQVVTQDGTGASHTTYLQCKNVNDLNQWLSALRKASAPNPGKLAACHPGAFRSGRWTCCCLAERS
 AVGCSRTHSAVTLGDWSDPLDPDAEAQMVYRQLLLGRDQLRLKLEDSLDTAPDVDPGKSSAVDGP
 EVLAQQREATTRLLQVLEDLEQAHEEFQKRG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001108335

ORF Size: 2403 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001108335.1](#), [NP_001101805.1](#)

RefSeq Size: 3238 bp

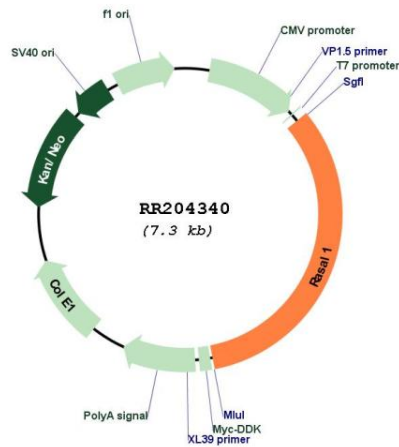
RefSeq ORF: 2406 bp

Locus ID: 360814

Cytogenetics: 12q16

MW: 89.6 kDa

Product images:



Circular map for RR204340