

Product datasheet for **MC221936**

Rasa3 (NM_009025) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rasa3 (NM_009025) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rasa3
Synonyms:	AI326412; C86362; E130011G04; GAPIII; hlb381; scat
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221936 representing NM_009025
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGTGGAGGAAGAGGGACTGCGGGTCTTCCAGAGCGTGAGGATCAAGATTGGTGAAGCCAAGAATC
 TTCTTCTACCCGGGGCCAAACAAGATGAGGGACTGCTACTGCACTGTGAACCTGGACCAGGAGGAGGT
 TTTCCGGACAAAATTGTCGAGAAGTCACTCTGCCCTTTTACGGAGAGGACTTTTACTGTGAAATCCCT
 CGGAGTTTCCGCCACCTGTCTTTTACATTTTTGATAGAGATGTTTTCCGAAGGGACTCCATCATAGGCA
 AGGTGGCCATCCAGAAGGAAGACTTGCAGAGGTACCACAACAGGGACACATGGTTCCAGCTGCAGCACGT
 GGACGCAGACTCAGAGGTGCAGGGCAAGGTCCACCTGGAGCTGAGACTAAGTGAGGTCATTACGGACACT
 GGTGTCGCTGCCACAACTCGTGCACGCATCTCGAGTGCCAGGGTCTCCCCATTGTGAACGGGCAGT
 GTGACCCTTACGCCACAGTGACGCTGGCCGGACCCTTCAGGTCTGAAGCAAAGAAAACGAAGGTGAAGAA
 GAAAACCAACAACCCCAAGTTTACGAGGTGTTTTATTTGAGGTGACCAGACCTGCAGCTACAGCAA
 AAGTCCCCTTTGACTTTGAGGAAGAGGACGTGGACAACTTGAATCCGAGTTGACCTCTGGAACGCCA
 GCAACCTGAAGTTTGGGGATGAGTTTCTCGGGAACTGAGGCTTCTCTCAAGATTCTGCGACACTCGAG
 CTCTTATGAAGCCTGGTACTTCTCCAGCCCCGAGACAACGGCAATAAGAGCCTGAAGCCAGATGACTTG
 GGGTCTCTGAGGTTAAATGTCGTTTATACAGAAGACCATGCTTCTCTCTGAGTACTACAGCCCCTGC
 GTGACCTGTTACTGAAGTCTGCAGATGTGGAGCCTGTCTCAGCCTCAGCAGCTCACATCTGGGTGAGGT
 GTGCAGAGACAAGCAAGAGGCAGCCATCCCCTGGTACGGCTCCTGCTGCACTATGGCAGGTAAGTCCCC
 TTCATCAGTGCCATCGCTAGCGCAGAGGTGAAGAGGACCCAGGACCCCAATACCATCTCCGAGGAAACT
 CACTGACATCCAAGTGCATAGATGAGAGCATGAAGTGGCAGGCATGCACTATCTCCATGTGACCCCTGAA
 GCCACCATTGAGGAGATCTGCCAGAGCCACAAGTCTGTGAGATCGACCCTGTGAAACTGAAAGACGGC
 GAAAACCTCGAGAACAACATGGAGAGCCTGAGGCAGTATGTGGATCGCATCTTCACTGTCATCACCAGT
 CCGGGGTGAGTGCCCCACCGTCATGTGTGACATCTTTTTCTCTTGGGGAGGGCGGCTGCCAAGCGCTT
 CCAAGATGACTTGGATGTGAGGTACACGGCCGTGAGCAGCTTCATCTTCTCAGGTTCTTCGCCCTGCC
 ATCCTGTCCCCAACCTTTTCCAGCTGACACCCACCACCGGATCCACAGACTTCTAGAACCCTGACAC
 TTATCTCAAAGACGATCCAGACCCTCGGCAGTGTCCAAGTCCAAGTCTGCCAGTTTTAAGGAGTCGTA
 CATGGCGACATTCTATGAATCTTCAATGAGCAGAAGTATGCAGATGCTGTAAAAATTTTCTGGATTTG
 ATCTCATCTCGGGGAGAAGGGACCCCAAGAGCATAGAGCAGCCATCCTGCTTAAAGAAGGTTTATGA
 TCAAGCGGGCCAGGGAAGGAAACGGTTTGAATGAAGAATTTCAAGAAGAGGTGGTTTCGCCTGACGAA
 CCACGAGTTCACCTACCAGAAAAGCAAAGGTGATCAGCCACTCTGCAACATCCCCATCGAGAACATCTTG
 GCTGTGGAGAGGCTAGAGGAGGAGTCTTCCGAATGAAAAACATGTTCCAGGTATCCAGCCAGAGCGTG
 CCCTGTACATCCAGGCCAACACTGTGTGGAGGCCAAGGACTGGATCGACATCCTCACCAAAGTGAGCCA
 GTGCAACCAGAAGCGGCTCACCGTCTCCACCCGTCCGCTACCTGAACGGCCACTGGCTCTGCTGCAGG
 GCCTCCTCAGACACGGCTGCTGGCTGCACTCCCTGCACTGGTGGGCTCCCGGCCAACATCCAGCTGGACA
 TTGATGGGACCCTGAAACAGAGCGCATCTACTCTCTTTAACCTGTACATGGCAAGCTGAAAAAGAT
 GCAGGAGGCTGCGGCAGCAAGTCTGTGTATGACGGCCCTGAGCAGGAGGAGTACTCAACGTTTCGTCATC
 GACGACCCCAAGGAGACGTACAAGACGCTGAAGCAGGTATCGCTGGGGTGGGGACCCCTTGAGCAGGAGC
 ACGCACAGTACAGGAGAGACAAGTTCAAGAAGACGAGATACGGGAGCCAGGAGCACCCCTATTGGAGACAA
 GAGCTTCCAGAACTACATCCGGCAGCAGTCTGAGATCTCCACCCATTCCATT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009025
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_009025.2 , NP_033051.2
RefSeq Size:	4118 bp
RefSeq ORF:	2505 bp
Locus ID:	19414
UniProt ID:	Q60790
Cytogenetics:	8 6.29 cM
Gene Summary:	Inhibitory regulator of the Ras-cyclic AMP pathway. May bind inositol tetrakisphosphate (IP4). [UniProtKB/Swiss-Prot Function]