

Product datasheet for **MC203666**

Rasa1 (NM_013832) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rasa1 (NM_013832) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rasa1
Synonyms:	MRASAL
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC005418
 CCCACGCGTCCGCCACGCGTCCGGAAGAGAAGATGCAAGGGGATGTTTCGAGGTCCCTCCCTCCACTCGC
 ATCAGACCCCCAGGGAGCGTGCGCCGCCTGCCGCCAGAGAGACCCTGCATCCAGCCCCTCGCACCCCA
 GACCCGGACACGTGGGAACCGGCTGACAGCGTGCTTGGCCCGCAGCTGATGACATGTAGGGTCACCTCCT
 GGTCCAGCCTCAGAACCTCGGCAGACTCCTTGCCTGGAAGTTTGGGACTGTGCGACATGGCCAAGAGCG
 GCTCGCTGAGTATCCGCGTGGTGGAGGGACGAGCACTGCCCGCAAGGACGTGTCTGGAAGCAGTGACCC
 CTATTGTCTGGTAAAGTGGATGACCAAGTGGTGGCCAGGACAGCAACCATCTGGAGGAGCCTGAGCCCC
 TTTTGGGGGAGGAGTACACCGTTACCTTCCATTGGACTTCCACCACCTGGCCTTCTACGTGCTGGATG
 AGGACACCGTTGGACACGATGACATCATTGGGAAGATCTCATTGAGCAAAGAGGGCATCACAGCCGACCC
 TCGAGGGATCGACAGCTGGATCAACCTGAGCCGAGTGGATCCAGACGCTGAAGTACAGGGTGAGGTCTGC
 CTGGATGTGAAGCTATTGGAGGATGCTCGGGGCCGCTGCCTCCGCTGCCACGTGAGACAGGCCAGGGACC
 TGGCCCCCGGGACATCTCTGGCACATCGGACCCATTTGCCCGTGTGTTCTGGGGCAACCATAGTTTGA
 AACTTCGACCATCAAGAAGACCCGCTTCCACACTGGGATGAGGTGTTGGAGCTGCGGGAGGCTCCGGGG
 ACCACGTCCCGCTGCGAGTGGAACTCTGGGATTGGGACATGGTGGCAAGAATGACTTCCTGGGTATGG
 TGGAGTTCACCCACAGACCCTGCAGCAGAAGCCACCTAATGGCTGGTTCGGCTCCTGCCCTTCTCTAG
 AGCTGAGGATTCTGGGGGAGCCTGGGTGCCCTGCGGCTGAAGGTGCGCCTCACTGAGGACCGGGTCTGT
 CCTTCCAGTACTACCAGCCTCTCATGGAAGTCTTCTGGAGTCCGTGCAAGGGCCGGCTGAGGAGGACA
 CCACCAGCCCCCTGGCTCTGCTAGAGGAGCTGGCCTCTGGGGACTGTCTGAGGACCTTGCACCAAGCT
 GGTGAAGCTGTTCTGGCCGGGGCCTGGCCGGGCCCTTCTAGATTATCTCACAAGGCGTGAGGTGGCT
 CGAACCAATGACCCCAACACCCTTCCGTTCTAACTCCTTGGCATCCAAGTTCGATGGAACAGTTTCATGA
 AGCTCGTGGGCATGCGCTACCTGCACGAGGTCTGAGGCCAGTGATCAGCCCGCTTTCGAGGAGAAGAA
 ATATATGGAAGTGGACCCTTGAAGATGGACCTGAACCCTCTCGGAGGATCTCCTTCAAGGGCACGCC
 ACAGAGGAGCAGGTACGGGAGACCAGCCTGGGGCTGCTGACCGGATACCTAGGGTCCGTTGTGGACGCCA
 TCGTGAGCTCTACAGGGCGCTGCCCACTTGCCTTGCCTTGAAGCTTGAAGCAGCTCCAGGCGTGTGTGA
 GAAGCGCTTCTCTGGGATAGAGCATCAGGATGTGAAGTACCTGGCCATCAGTGGTCTCTCTTTCTGCGG
 TTCTTTGCGCCTGCCATCCTCACACCGAAACTGTTTGACCTCAGAGACCAGCACGCAGACCCCCAGACCA
 GCCGTTCCCTGCTGCTGCTCGCCAAGGCTGTGCAGAGCATTGGGAACCTGGGCCAGCAGCTGGGCCAGGG
 CAAGGAGCAGTGGCTAGCCCCGCTCCATCCCTTCTGCTGCAGAGCATCTCACGTGTGAGGGACTTCTGT
 GACCAGCTGGTGGATGTGGACGAGGATGAGGAGGCCGGGGTCCAGCCTGCGCCTGGTCCAACCCTCAA
 CCATTGTTGAGAAGGCTTCTGCTGAAGCGCAAGGAGGAGCCTGGAGGCTGGCCACGCGCTTTGCCCTT
 CAAGAAGCGCTACTTCCGGCTGAGTGGGGGGACCTCTCCTACTCCAAGACTCCGGAGTGGCAGGTTTAC
 ACATCCATCCCGCTGTCTGCATCCGGGCTGTGGAGCATGTGGACGAGGGTGCCTTCAACTGCCACACG
 TCATGCAGGTGGTGACACAGGATGGCGCCGGGACGTACACACACCCTACCTCCAGTGTAAAGACGTGAA
 TGACCTCAACCAATGGCTGTGAGCCCTGCGCAAAGCCAGTGCCCCCAACCCGGGCAAGCTGGTTGCCTGC
 CACCCTGGTGCCTTCCGACGCGGGCGCTGGACCTGCTGCCTCCAGGCTGAGCGCTCAGCTGCTGGTTGTA
 GCCGCACACACTCAGCCATCACACTGGGAGACTGGAGTGACCCACTGGATCCTGACGCCGAGGCCAGGC
 AGTGTATCGCCAGCTGCTCCTGGGGCGGGACCAGCTCAGGCTGAAACTGCTGGAGGATTCAGCCTGGAC
 ACAGAAGTGGACCCTGGGAGGGACTCCAGTGCCACAGACGGGCCCTGTGCTGAGGTTCTGGCCCAGCAGA
 GAGCAGCCACAACCCACCTGCTGCAGTACTTGAAGACTTGGAGCAAGCCACGAGGAGTTCAGAAAACG
 GGGATAGGAGCAAGTGGCCCTCTAGGATGCTGGATGCTGAGAAAAGTGCCAGAGCCAGCTGGGGACAGAGC
 CATGGGGCCTCCCTGAGCATTCTTTGGCCAGGCATCTTCTTGAAGCCCCCTTCTCACTGCTTGGGGCC
 TCCCAGACAAAGCCTGGTCTGTGCTCTGTAGCCAGCCAGGGCATAGGAGCCTTTGGTAGGGCCAGT
 CTTGTACTGACCAAACCTCACTTCTTCTCTGAGCCTGGAGTCTCAGCTTCACTGGACACAGCCCTTCCA
 ATACCCGTGGCGCCATCTACCCCAAGCTGCTGGATACAGCTGTACCTGAACGCCAACCTGGCGGACT
 CAGAAAAGCATTCAATAGGCTTGGCCAGGAACTTCTGTTTTCCACTTCTGCTAGCCACTGTGACCTCAC
 AGATCCTTCTGTATTCCACTCTCATCTGGCAGCCCAACCAGGTGTTCTCAGAAGAACGGACTGGGGGCC
 CAGCATGCCAATTCAGAGCCTCGAAGCCGGACACAGGCTTCTCTCTCTTATACCCTGTATAAAGTGA
 TGCGTGAGCATGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_013832

Insert Size:	2400 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:	BC005418 , AAH05418
RefSeq Size:	3249 bp
RefSeq ORF:	2400 bp
Locus ID:	19415
UniProt ID:	Q9Z268
Cytogenetics:	5 F
Gene Summary:	<p>Probable inhibitory regulator of the Ras-cyclic AMP pathway. Plays a role in dendrite formation by melanocytes.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Variants 1 and 3 both encode the same isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>