

Product datasheet for **MC205548**

Rasa4 (NM_133914) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rasa4 (NM_133914) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rasa4
Synonyms:	AA793972; AW112107; BB079060; CAPRI; GAPL
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC057460
 CCCACGCGTCCGGAACCCCTCCCCGCCAGGCCTCCACGTGCGCCGACCCGCAATGGCCAAGCGCAGTTCG
 TGTCATCCGAATCGTAGAAGGGAAAAATCTGCCCGCCAAGGACATCACGGGCAGCAGCGACCCCTACTG
 CATCGTGAAGGTGGACAATGAACCCATCATCAGGACAGCCACTGTGTGGAAGACCTGTGCCCTTCTGG
 GGTGAAGACTACCAAGTACACTTGCCCCACGTTCCACACGGTGGCCTTCTATGTCATGGATGAGGATG
 CCCTTAGCCGGGACGATGTGATCGGGAAGTCTGCCTCACGAGGGACGCGCTAGCCTCTCACCCAAAGGG
 ATTCAGTGGATGGACCCACTGGTGGAGGTGGACCCGAACGAGGAGGTGCAGGTGAGATCCACCTGCGC
 CTGGAGGTGGTGCCAGGGTCCATGCCAGCCGGCTGCGCTGCGCGGTGCTTGAGGGCAGGGACTTAGCAC
 CAAAAGATCGGAATGGCGCATCTGACCCTTTTGTCCGAGTGCACATAAATGGCCGGACCCAGGAGACCTC
 GGTGGTGAAGAAATCCTGCTACCCACGCTGGAATGAGACATTTGATTTTGTAGCTGAAAAAGGAGCCTCA
 GAAGCACTGCTGGTGGAGCCTGGGACTGGGATCTTGTAGCCGGAATGACTTTCTAGGCAAAGTGGCGG
 TCAATGTCAGAGACTTTGTTCCAGCCAGCAGGAAGAGGGCTGGTTCGGCTGCAGCCTGACCAGTCCAA
 AAGCCGTCAAGGCAAGGGCAACCTGGGCTCCTTGCAAGTGGAGTGGCGTGGGACGAGACAGTGTG
 CCGTCCGTCTGCTACCAGCCCTGGTACAAGTGTGTCAGGAGGTGAAGCTGGGCACTCAGGGCCAG
 GACGGCTGATTCCTGTCATTGAGGAGACAAGTGTGCCAGTGTGCCAGGAAGTGGCCACCACCCTGCT
 CAAACTCTTCTGGGGCAGGGGCTGGCCAAGGACTTTCTGGATCTGCTTTTTCTAGCTGGAGCTGGGCGC
 ACCAGTGAAGCCAACACCTCTTCCGGAGCAATTCTTGCCCTCAAAGTCCATGGAGTCTTCTCTGAAGG
 TGGCAGGGATGCGCTATCTGCATGGCATCTGGGCCCCATCATTGACAGAGTGTTCGAGGAGAAGAAGTA
 CGTGGAGCTGGACCCAGCAAAGTGAAGTAAAGGATGTAGGGTGTCTGGGCTGCACCGCCACAGACC
 GAAGCTGAAGTGTAGAGCAGAGTGCACAGACGCTGCGTGCCACTTAGTGGCGTGTGAGCGCCATAT
 GCCGCTCGGTTCCGACGTGCCAGCCATCATCCGCGCCACATCCGGCAGCTGTTAGGCGCGTGGCGGA
 GCGCTTCCCGAACGCCAGCACCAGAACGTACCATTATCGCGGTACCAGCTTCTGCTGCGCTGCGCTTC
 TTCTCTCCGCCATCCTGTCGCCAAGGCTTCCACCTGCGAGAGCGGCATGCAGATGCCCGCACCAGCC
 GCACGCTGCTTCTGCTGGCCAAGGCGGTCCAGAACATAGGCAATATGGACACACCGGTCTCTAGGGCCAA
 AGAGTCTGGATGGAACCACTCCAGCCTACCGTGCGCCAGGGCGTGGCGAGCTGAAGGACTTATTATG
 AAGCTTGTGGACATAGAAGAAAAGGAGAGCTGGACCTGCAGCGGGCTTTGAACTCACAGGCACCACCTG
 TGAAGGAGGGACATTGTTTATCCACAGGACCAAAGGCAAAGGCCCTTTCATCCTCCTCGTTCAAGAA
 ACTCTACTTCTCCCTTACCAGTGAAGCCCTCAGCTTCGCCAAGACGTCCAGCTCCAAGAAAAGCACCTTC
 ATCAAGCTGGCCAGCATCCGGGCTGCGGAGAAGGTGGAGGAAAAGAGCTTCGGCAGCTCCACATCATGC
 AGGTCATCTATGCAGATGATGTTGGCCGTGCCAGACTGTCTACCTGCAGTGAAGTGTGTGAACGAGTT
 GAACCAGTGGCTGTCTGCATTGCCAAAGCGAGCACCAACAACAGGGGCCTCCTACGGTCATACCATCCT
 GGCATCTTCCGTGGGACAAAGTGGAGCTGCTGTACCAGAAGGACAAGACAGATCAGGGATGTGACAAGA
 CCCACTCTCGGGTGACCCTGCAGGAATGGAATGACCCACTGGATCATGACCTTGAGGCTCAGCTCATCTA
 CAGGCACCTGCTAGGCGTGGAGGCTGCTCTGCGGGAAGATAACCAGCTCCTGCGTGGGGCGACAGAAGCA
 GGTGTCTCACCCAGGGCTGTGATGGAGCTCCCGAGGACTCGCTGGCCAGCTGCTTCGTGTGCTGCAAG
 ACCTTCGAGAAGCCACGGCTCCAGCCTGGCCAGCCAGCAGCAGAGAGCCCCATCACCTTCTAGAGCT
 ACAGACGTGAGGTGTCCGTGAGGTGCCATCGAGCCCCTGTTAGGTGTTGCAGATCCTAGACATGCTCA
 GGATCCTTGTCCAGTCAACTGTTCTGGGAGGGCTGTGACCCAGCATAGTCTTCCATGTCTGCGAGG
 GACAACCGTGACACCTGCTTCCCTGGGAGAACCAACTGCTCTTGTAGTCCCATGACCCATATTTCTTCC
 CCAGGAGAACAGGCTGTCCACCTCACATTGCTTTGCCACTGTCTGGCCTCCTAGGTCGGATGCCACAGTG
 GTTTGCTGTCAATAAATGCTCTGTAAGTGCAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: RsrII-NotI
 ACCN: NM_133914
 Insert Size: 2409 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:	BC057460 , AAH57460
RefSeq Size:	2862 bp
RefSeq ORF:	2409 bp
Locus ID:	54153
UniProt ID:	Q6PFQ7
Cytogenetics:	5 G2
Gene Summary:	<p>Ca(2+)-dependent Ras GTPase-activating protein, that switches off the Ras-MAPK pathway following a stimulus that elevates intracellular calcium. Functions as an adaptor for Cdc42 and Rac1 during FcR-mediated phagocytosis. Isoform 2 activates the Ras pathway and promotes RANKL shedding by modulating the expression of MMP14.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>