

Product datasheet for **MC222836**

Rasip1 (NM_028544) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rasip1 (NM_028544) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rasip1
Synonyms:	1110025D03Rik; 2610025P08Rik; AI853551; Rain
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>MC222836 representing NM_028544
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTATCTGGTGAACGAAAGGAGGGCGGAAGCCCCCGCTTCGGGAAGCTCCATCTTCCAGTGGCCTGT
 GGATCAATTCCTCAAGGAAACAGCTCGCCAACTGGGGCGGCGCTGGCCAGCGCTGCCTCTGTCAAGTC
 CTCGTCCTCCGACACGGGGAGCCGAAGCAGCGAGCCCTGCCGCCGCGCCGCCGCCGACGTGGAG
 CTGCGGCGCTAGGTGCGGTGAAGGCGCGGGGGAGCGTCGGGCAGCCGAGCCAAGCGCATCTCGCAGC
 TGTTCGGGGCTCAGGGCCGGCGCGCGGGGTCTGGCACGCTGGGGCGCGCAGCGCTGGCCAG
 CGAGAAGAAGCTGCCTGAACTGGCGGGGTGTAGCTCCGAGACCCCGTTGCCACGCGTCCCGCGGTG
 CCCCCGGAGTGTCAAGATCTTCGTTCTGGGTGGCGTCGGGCCTCACTACAAGAGCGTGTGGCTA
 CGGAGCGATCCACCGCGCGAGCTGGTGGCGGAGGCGCTGGAGCGCTACGGGCTGACGGCGGCCCGGG
 AGCGGGCGACAGCGGCTGCGTGGACGCTACGCGCTTTGGCAGCTCTGGGCCGGCCCGGTCGGCGTG
 GCGGAGGCGAGTGGCGTCCGAGCACCTGCGGGTGTGGCCAGCGCGGAGCGCCCTCTGCTGGTGCAGG
 ACCTGTGGCGCGCCCGTCCGGGCTGGGCGCGGCGCTTTGAGCTGCGCGGCGCGGAGGAGCTCGACGGCT
 GGAGCAGGAGGCCTTCGGGGCTGCGGATGCAGACGGCACAAACGCCCATCTTGGCGGACCCAGAAGAAT
 AGGTCTCGGGCAGCATCTGGCGGGCAGCTCTGGCCAGTCTGGTCCAGGATCAGGATCCGGGACCCCCA
 CTGGGTCCGGGGCAAGGAGCGATCTGAAAATTTGCTCTGCGTCGAAGCGTGTCTGAGCTGAGTCTACA
 GGGGGGAGGCGAAGGCAGCAGGAACGCAGGCAGCAGGCCCTTAGCATGGCCCCAGGGCAGCTGATGCT
 CAGATGGTACCAACGGACCCTGGAGACTTCGATCAGTTGACTCAGTGCCTATTCAGGCACCCAGCAACC
 GTCCCTACTTCTCTGCTCCAGGGCTACCAGGATGCTCAGGACTTCGTGGTGTATGTCATGACACGAGA
 GCAGCAGTGTTCGGCCGGGGTGGGCCCTCCTCGTCCCGGGGGATCCCCAGCCCCATATGTGGACACC
 TTCTCAACGCCCCAGACATCTGCCTCGACATTGCACGGTGCAGCGGGCCCTGAGCCCCGGCCATGG
 TGCGCCATCCCGGGGCGCCCCGTACACACAATGGCTGTCTTTTGTGCGGGAGGCGAGGCTGCACCC
 CGGAGACCTGTTAGGCTAGGAGAGCATTTCTGTTTATGTACAAGACCCCGCTCCGGGGTTCTGGG
 CCCGCTCGGCCATCTGGCTGCCAGCGCCCCGGGGCCGCGCCACCCGACCGGCTGGGCTTTTCTT
 GTCGTTTGTGGCCGTGGCCTGCAGGAGCGCGGCGAGGCGCTGGCCGCTACCTGGATGGCCGCGAGCC
 GGTGCTGCGGTTAGACCACGAGAGGAAGAGCGCTGTTGGCGAGATCGTGCAGCTGCAGCCTCGGA
 GCAGGGGACCTGCCCCGCTCGGGCCAGCCACTCTGCTGGCACTGTGTGCAGCATTCTCGAGGGAGC
 TGGAGCTGGGCCACCTGCCTCGCTTGTGGGCCCTGGCCCGGCTCATCAAAGAAGCCGTTTGGGAAAA
 AATTAAGAAATTTGAGACCGCCAGCCAGAGAACCACCCAGAGGGAGTCCCGAGGTGCCTCTGACCCCT
 GAGGCTGTGTCTGGAGCTGCGACCACTCATACTATGGATGGCCAACCCACAGAGCTGTTGAGCTTTG
 TACAGGAGAAAGTGTAGAGATGGAGAAGGAGGCTGACCAGGAGGGCCTGTCTCGGACCCACAGCTCTG
 CAATGACTTGGAACTGTGTGATGAGGCCTTGGCCCTCTGGATGAGGTATCATGTGTACTTTCCAGCAG
 TCGGTCTACTACCTACCAAGACTCTTTATTCAACTGCCAGCTCTCTGGACAGTAACCCTTTACAG
 CTGGAGCAGAGCTGCCAGGGCTGGCGCAGAGCTGGAGCCATGCCGCTGGGCTCAGGCCTACTCTGG
 TGTGTTCCAGGCAGCTTAGAACTGACCAGTCACTGTGAGCTGCATCCCGACCTCGTGTCCAGACTTTT
 GGCTATTTGTTCTTCTTCCAATGCATCCCTTCAACTCACTGATGGAACGAGGTCAAGGCCGACCTT
 TCTATCAATGGTCTCGAGCCGTCAAATCAGAACCAACTTGGATCTTGTGTTGGATTGGCTTCAAGGGGC
 CGGGCTGGGTGACATTGCCACTGAGTCTTCCGAAAATTTCCATTGCTGTGAACCTGCTATGTGTGCC
 CGCACCTCCCTGCTCAAGGCTTTCATGGAGCAGCTTACGGACTGACTACCCACCCCTGACTCCAGCTCAGC
 TCCACCATCTCTCAGCCACTACCAGTTGGTCTGGCCGTGGTCCCCACCAGCCTGGGACCCACCACC
 TGCAGAGCGGGATGCTGTGGACACAGGGGATATCTTTGAAAGTTTTCTCGCACCTCCGCTCATCTG
 CCCCTGGGCGAGCTCAGCCTGCGCCTACCGGCCCTGTGACAGATGACGATTGCATAGAGAAGTGC
 GGCTCCGTGCGCTCTGGGATCTTGAACAGCAGGAGCTGCCAGCCAATCATCGCCATGGACCCCGGT
 GGCTTCGACACCT**TGA**

CAAGCTTAACTAGCTAGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATC
 TGGCAGCAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAAAC

Restriction Sites:	Sgfl-HindIII
ACCN:	NM_028544
Insert Size:	2886 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:	<u>NM_028544.1</u> , <u>NP_082820.1</u>
RefSeq Size:	3169 bp
RefSeq ORF:	2886 bp
Locus ID:	69903
UniProt ID:	<u>Q3U0S6</u>
Cytogenetics:	7 B3
Gene Summary:	Required for the proper formation of vascular structures that develop via both vasculogenesis and angiogenesis. Acts as a critical and vascular-specific regulator of GTPase signaling, cell architecture, and adhesion, which is essential for endothelial cell morphogenesis and blood vessel tubulogenesis. Regulates the activity of Rho GTPases in part by recruiting ARHGAP29 and suppressing RhoA signaling and dampening ROCK and MYH9 activities in endothelial cells. May act as effector for Golgi-bound HRAS and other Ras-like proteins. May promote HRAS-mediated transformation. Negative regulator of amino acid starvation-induced autophagy (By similarity).[UniProtKB/Swiss-Prot Function]