

Product datasheet for **MC206455**

Rras2 (BC003871) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rras2 (BC003871) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rras2
Synonyms:	2610016H24Rik; C86394; TC21
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003871
 ATCCGCGAAGAAGAGCGCGCTCCCTGGCCGCTGCGTCCTCTGCCCTGGAGCCTTCCC GGCTCTCCAGCGT
 CTCGGGCAACTCCCAGCCGGTCCGAGGGATAGCGCTCCGCGGCCCTCCAGGCCACTACGGACCCCGCGC
 GCTCTACCGCCTGTAACCCAGCCGGCCGCACTCGTCCCGGAGCCGGGCC TAGGGCGCGCGGGCCGGG
 CTGGGCTCGGGCGTCCCGATGGCCGCGCCGGCTGGCGCGACGGCTCCGGCCAGGAGAAGTACCGGCTC
 GTGGTGGTCCGGCGTGGCGCGTGGGCAAGTCGGCGCTCACCATCCAGTTCATCCAGTCCATTTTGTGA
 CGGACTATGATCCAACCATTTGAAGACTCATACACAAAGCAATGTGTGATCGATGACCGAGTGCCTGGCT
 GGACATTTTGGATACAGCCGGACAAGAGGAGTTTGGAGCCATGAGAGAACAATACATGAGGACAGGCGAG
 GGCTTCTGTTGGTCTTCTCAGTCACGGATAGAGGCAAGTTTTGAAGAAATCTATAAGTTTCAAAGACAGA
 TTCTCAGAGTAAAGGACCGTGATGAGTTTCCCATGATTTTAATTGGCAATAAAGCTGACCTGGACCATCA
 GAGACAGGTAACACAGGAAGAAGGGCAGCAGTTAGCAAGGCAGCTCAAGGTCACATATATGGAGGCATCG
 GCAAAGATCAGGATGAATGTAGACCAAGCTTCCACGAACTTGTCCGGTTATAAGGAAATTTCAAGAGC
 AAGAATGCCCTCCTTACCAGAACCAACCCGAAAGAAAAGACAAGAAAGGCTGCCATTGTGCATTTT
 CTAAGAGTCCCTTGTAGGTTTGTAGTAACAACTGCCAGGGAAGCCCTCATCTCTGCTACCGTTTACATCATC
 CGGTACCTTTGTAGCCTTAGACCGATGATCACCCTGTAGCCTTACACCAAGAAGCTGGCAAATCCTTTA
 TGTGAAGCTAATGTAACGGTCTTACCCAGACTTGTGTAAGGAAACACTAAGGCTGCTTACAGACGTTATC
 TGATTCCTTTAAACACATGTCTACACACACAGATGCAGTCTTCAAGGGCTTTAATAGAGGTAAACCAA
 GTTTGGAGCCTGAGCTGTTTGTAAAGCTGAAGTCATAGTTGGAAAGTAATTTTAACTTCTGGAATCAT
 GTTGCCTACTGTTACTCTAAATAGAAATATAGGGAAGTTTTTTTTTGTGTTGTTGTTTTTAAATG
 TGAATTTTGCCTATCTTAAACTTTGGTTGTCAACTTTCATTAACCTAAATACACTGAATGGAATCA
 ACACAAGTGAGACATCTCAGACCTTTCCTGATGCTACGGCTTTTGTTCAGTGGCCAAAATACCAA
 ATGCCTGTTGATTTATGATTAATACTGCTGATTAAGCCTTTGTTATCATGCTTCTTCAAGATGACA
 ATATTCTGTGGCCAAATGTTTGGACTGGTTCTGCAGTGGGTGTTTGGTGAAGTATCTTTTCA
 CAGCCGTGGTAAGGGTAAGAGTGGATGGTTCCTGTCTGTCTTCTCAAGTATTCTGGTTAAGGGAT
 TAAAAAAGAAAACCCACACAAGCTAAAGCTGTTTTGTTGATGTAATATAAAATATGGAATTGATCTTT
 CCAAAGTCAGAGATGATTAATGTTTTGCTATATACTTTTATACGTTATTTTCTTATCAAAGTAAAC
 AAGTATTTTATATGTTTGAAGCGGATATGCTTCCACCTTGTGTATATGTAAGATGAGTATTTAAGTC
 TCACTGTTCACTGTTAACTGACAAAGAGACCATGGCTTTTGTGCTGGCTTGGTCTTTTACATCACT
 GGTGGCCAATAATCAGAAAACCTTCCCAACAGAACGCAACAGGACGAGAGTATGAAGTCACGTTCAAGTGT
 CCCCCTAGATATTGACTGTTATATCAAGTATTACGTGTAACCTCTACTTGACAATTAGTGAAGTGT
 GGATGGCTTCTGACTTTGTTTTAAACAATGTGGATTGTGTTAAGCAATTCGAAGTGCCTCCAGATTTT
 GAGACTCAGTGGTATTGCACAGTGGTCACTTTATTGAATGTGTACAACAGCCCATGAAGTTTATAAAGT
 GGACCCTTGATAGCTTACGGTGTAGAATTAAGTTGATCTGTTGTCCAGAAAAA AAAAAAAAAA

Restriction Sites: EcoRI-NotI
ACCN: BC003871
Insert Size: 615 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	BC003871 , AAH03871
RefSeq Size:	2251 bp
RefSeq ORF:	615 bp
Locus ID:	66922
Cytogenetics:	7 F1
Gene Summary:	It is a plasma membrane-associated GTP-binding protein with GTPase activity. Might transduce growth inhibitory signals across the cell membrane, exerting its effect through an effector shared with the Ras proteins but in an antagonistic fashion.[UniProtKB/Swiss-Prot Function]