

Product datasheet for MC209956

Rragc (NM_017475) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rragc (NM_017475) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rragc
Synonyms: AU041672; Gtr2; RAGC; TIB929; YGR163W
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209956 representing NM_017475
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCCTGCAGTACGGGGCGGAGGAGACGCCCTGGCCGGCAGTTACGGCGCAGCCGACTCGTTCCCCA
 AGGACTTCGGCTACGGCGTGGAGGAGGAGAAGAGGAGGCAGCGCGGGTGGCGGGGAGCGCGGGGGC
 CGGCGGGCGCTGCGGCCCGGGCGCGCTGACAGCTCCAAGCCGAGGATCTGCTTATGGGGCTCCGGCGC
 AGCGGGCAATCTCCATCCAGAAGGTGGTGTTCATAAGATGTCACCCAATGAGACTCTCTTTTTGGAAA
 GTACCAACAAGATTTATAAAGATGACATTTCCAACAGCTCCTTTGTGAACCTCCAGATTTGGGATTTTCC
 TGGGCAGATGGACTTCTTTGATCCAACCTTTGACTACGAAATGATCTTCAGGGGCACAGGAGCATTGATA
 TATGTCATTGATGCACAGGACGACTACATGGAGGCTTTAACCCGACTTCACATCACTGTTTCTAAGGCCT
 ACAAAGTTAACCCAGACATGAATTTTGAGGTTTTATTCAAAAGTTGATGGACTGTCTGATGATCACAA
 AATAGAAACACAGAGGGACATTCATAAGGGCCAATGATGACCTGCAGATGCTGGGCTAGAAAAGCTC
 CATCTTAGCTTTTATTTGACTAGCATCTATGACCATTCAATTTGAAGCCTTCAGTAAGGTGGTACAGA
 AACTCATTCCACAACGCCCACCTTTGGAAAACCTATTAATATCTTTATATCAAATTCAGGTATTGAAAA
 AGCTTTTCTCTTTGATGTTGTCAGCAAAATCTACATTGCAACAGACAGCTCCCCTGTGGATATGCAGTCT
 TATGAACCTTGCTGTGACATGATTGATGTTGTAATTGATGTGCTTGTATATATGGATTAAGGAAGATG
 GAAGTGGAAAGTGCTTATGACAAAGAATCGATGGCCATTATCAAGCTGAATAATACAACCTGCTCTTTATTT
 AAAGGAAGTCACTAAATTTTGGCACTGGTTTGCATTCTTAGGGAAGAGAGCTTTGAACGAAAAGGGTTG
 ATAGACTACAACCTCCACTGTTTCCGAAAAGCTATCCATGAGGTGTTTGAAGTGGTGTGACTTCTCACA
 GAAGCTGCAGTCATCAGACCAGTCTCAAGTCTGAAAGCCTTGGCACATAACGGCACGCTCGGAATGC
 CATCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_017475
Insert Size:	1197 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_017475.2 , NP_059503.2
RefSeq Size:	2621 bp
RefSeq ORF:	1197 bp
Locus ID:	54170
UniProt ID:	Q99K70
Cytogenetics:	4 D2.2
Gene Summary:	Guanine nucleotide-binding protein forming heterodimeric Rag complexes required for the amino acid-induced relocalization of mTORC1 to the lysosomes and its subsequent activation by the GTPase RHEB. This is a crucial step in the activation of the TOR signaling cascade by amino acids (By similarity).[UniProtKB/Swiss-Prot Function]