

Product datasheet for MC202655

Rhoq (NM_145491) Mouse Untagged Clone

Product data:

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|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Rhoq (NM_145491) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Rhoq |
| Synonyms: | Arhq; Tc10; TC10A |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |

Fully Sequenced ORF: >BC056363 sequence for NM_145491
CGCACGGCGGGCGGGGCGGGGCGCGCCGACTCCGGAGCCGCCCGGACCCCTCCCCACCCCTT
TCACCGGCCAGGAGGGCGGGGCGGAGCGGGCGGGGCGGACAGCCGCTGGCCCTCCCCCTCCG
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AGCGGGTGGGGTGGCCCGGGCCAGGGCGGGGCTCCGGGGGACCATGCCCGAGGCGGGCGGGC
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GACGTGCCTGCTCATGAGCTATGCCAACGACGCCCTCCCCGAGGAGTACGTGCCACTGTCTCGACCAC
TACGCAGTCAGCGTCACCGTGGGGGCAAGCAGTACCTTTGGGACTCTATGACACAGCTGGACAGGAAG
ACTATGATCGTCTGAGGCCTTATCTTACCCATGACTGACGTCTTCTCATATGCTTCTCCGTGGTAAA
TCCAGCCTCGTTTCAAAATGTAAAGGAAGAGTGGTACCAGAGCTAAAGGAATATGCGCCAAACGCCCC
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AAGAAAAACCTGTCTGTGTGGAACAAGGACAGAACTAGCAAAAGAGATAGGTGCATGCTGCTATGTGGA
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CTGGCAACTGTAGATTTTAGTTTGATGTTATCCAAATTGCATGAAATACATGCTAAAAGTAAACGTTTAAAA
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CAAATAAGGTCATGTGTGAAAGAACATTCAGAAAGTTATAAATGGTTAGTGTTCATAGAAAATTTGTT
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AAATACCAAATTAATGCTGGTTTGTGGTTGTTGTTTTAAATGATTGTTTCCTTCAACAGCATCCCTC
CTGACGGATGGGTCATAATAAAATGAGATGCGTAGTTTACTGTTTTATGTAAAGCACTGGAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** Ascl-NotI
- ACCN:** NM_145491
- Insert Size:** 618 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:

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: [BC056363](#), [AAH56363](#)

RefSeq Size: 4159 bp

RefSeq ORF: 618 bp

Locus ID: 104215

UniProt ID: [Q8R527](#)

Cytogenetics: 17 56.9 cM

Gene Summary: Plasma membrane-associated small GTPase which cycles between an active GTP-bound and an inactive GDP-bound state. In active state binds to a variety of effector proteins to regulate cellular responses. Involved in epithelial cell polarization processes. May play a role in CFTR trafficking to the plasma membrane. Causes the formation of thin, actin-rich surface projections called filopodia (By similarity).[UniProtKB/Swiss-Prot Function]