

Product datasheet for MR219421

Rhou (NM_133955) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhou (NM_133955) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rhou
Synonyms:	2310026M05Rik; A1182090; Arhu; CDC42L1; G28K; mG28K; WRCH-1; WRCH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219421 representing NM_133955 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCCGAGCAAGGCCGGCCGGCGCTGCCCGCCGCTGCGAGCCGCCGGCGCGCCGGTACCGC
CTCGCCGAGAGCGCGGGGGCGCGGGGCGCGGGCCCGGGGTGTCCGGGGTCCGGGGCGCGGGCGG
CGCCGAGGACCGCGCGTCAAGTGCCTGCTGGTCGGCGACGGCGCGTGGCAAGACCAGCCTGGTGGT
AGCTACACCACTAACGGCTACCCACCGAGTACATCCCTACGGCCTTCGACAACCTCTCGCCGCTGGTGT
CTGTAGATGGGGCGCCTGTGAGACTCCAGCTCTGTGACTGCAGGACAGGATGAGTTTGACAAGCTGAG
GCCCTCTGCTACACCAACAGACATCTCTGCTGTGCTTCAGCGTGGTGGAGCCACATCCTCCAG
AACGTGGGCGAGAAGTGGTTCCAGAGATTCGACGTCCTGCCCCAAGGCCCCATCATCTGGTCGGGA
CACAGTCGGACCTCAGGGAGGACGTCAAAGTGCTCATAGAAGTGGACAAGTGCAAAGAGAAGCCGGTGCC
TGAAGAGGCGCGAAGCTGTGCGCGGAGGAAGTCAAAGCTGTCTCCTACATCGAGTGTCTCAGCGTTGACT
CAGAAAAACCTCAAAGAGGTTTTCGACGCCCATTTGTTGCTGGTATCCAGCACTCAGACTCCAGCTAC
AGCCAAAGAAGTCTAAAAGCAGGACCCCGATAAGGTGCGGGACCTGTCCAAGTCTTGGTGGAGGAAGTA
TTGCTGCCTGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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: [NM_133955.4](#), [NP_598716.1](#)

RefSeq Size: 3367 bp

RefSeq ORF: 786 bp

Locus ID: 69581

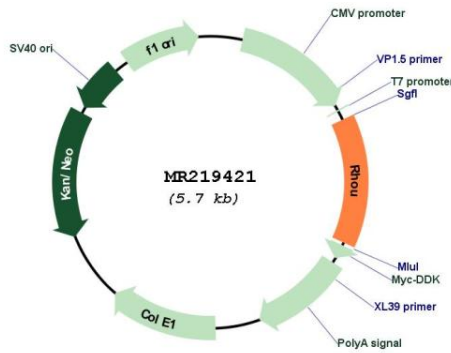
UniProt ID: [Q9EQT3](#)

Cytogenetics: 8 E1

MW: 28.8 kDa

Gene Summary: Acts upstream of PAK1 to regulate the actin cytoskeleton, adhesion turnover and increase cell migration. Stimulates quiescent cells to reenter the cell cycle. Has no detectable GTPase activity but its high intrinsic guanine nucleotide exchange activity suggests it is constitutively GTP-bound. Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the control of cell shape (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219421