

Product datasheet for MC210966

Rhou (NM_133955) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhou (NM_133955) Mouse Untagged Clone
Tag:	Tag Free
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)
Fully Sequenced ORF:	>MC210966 representing NM_133955 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCCGAGCAAGGCCGGCCGGCGCTGCCCGCCGCTGCGAGCCGCCGGCGCCGCCGGTACCGC
CTCGCCGAGAGCGCGGGGGCGCGGGGCGCGGGCCCGGGTGTCCGGGGTCCGGGGCGCGGGCGG
CGCCGAGGACCGCGCGTCAAGTGGTGGTGGTGGCGACGGCGGGTGGCAAGACCAGCCTGGTGGT
AGCTACACCACTAACGGCTACCCACCGAGTACATCCCTACGGCCTTCGACAACCTCTCGCCGTTGGT
CTGTAGATGGGGCCCTGTGAGACTCCAGCTCTGTGACTGCAGGACAGGATGAGTTTGACAAGCTGAG
GCCCTCTGTACACCAACAGACATCTCTGCTGTGCTTCAGCGTGGTGGAGCCACATCCTCCAG
AACGTGGGCGAGAAGTGGTTCCAGAGATTCGACGTCCTGCCCCAAGGCCCCATCATCTGGTGGGA
CACAGTCGGACCTCAGGGAGGACGTCAAAGTGCTCATAGAAGTGGACAAGTGCAAAGAGAAGCCGGTGC
TGAAGAGGCGCGAAGCTGTGCGCGGAGGAAGTCAAAGCTGTCTCCTACATCGAGTGTCTCAGCGTTGACT
CAGAAAAACCTCAAAGAGGTTTTGACGCCGCCATTGTTGCTGGTATCCAGCACTCAGACTCCAGCTAC
AGCCAAAGAAGTCTAAAAGCAGGACCCCGATAAGGTGCGGGACCTGTCCAAGTCTTGGTGGAGGAAGTA
TTGCTGCCTGGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_133955
Insert Size:	786 bp



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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_133955.4 , NP_598716.1
RefSeq Size:	3367 bp
RefSeq ORF:	786 bp
Locus ID:	69581
UniProt ID:	Q9EQT3
Cytogenetics:	8 E1
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]