

Product datasheet for **MC220155**

Rhpn1 (NM_001163465) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rhpn1 (NM_001163465) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rhpn1
Synonyms:	BB023497; Grbp; mKIAA1929; Rhophilin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220155 representing NM_001163465
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATCCTTGAGGAGAGGCCAGATGGCCAGGGCACTGGCGAGAAAGCTCTCGGCCGAGGACGACGGCA
 GCATCCGCAAGGGCTATGGCTCCTTTGTGCAAAACCAGCCTGGCCAGCTGCAGAGTCACAGGGCTCGGCT
 CCACCAGCAGATCAGCAAGGAGCTCCGGATGCGGACCGGTGCTGAAAACCTCTACAGAGCCACCAGCAAC
 ACCTGGGTCGAGAAACAGTGCCTGAGCTGAGCTACGTCAACTCCAACCTGCAGCTGCTGAAAGAGG
 AGCTGGCAGAGCTGAGCACCAGCGTAGATGTGGACCAGCCAGAGGGCGAAGGGATTACTATCCCATGAT
 CCCCTGGGGCTGAAGGAAACCAAGGAGTTGGACTGGGCCACACCGCTGAAGGAGCTGATCTGAGCAC
 TTTGGAGAGGATGGTACCTCCTTTGAGACAGAGATCCAGAACTAGAAGACCTACGGCAGGCCACGAGGA
 CTTCCAGCAGGGACGAGGCGGGCTGGATCTGCTCGCAGCCTACTATAGCCAGCTCTGTTTCTGGACGC
 ACGTTTCTTCAGTCCCTCCAGGAGCCCCGGGCTGCTTCCACTGGTACGACTCGCTCACGGGGTCCCCG
 GCACAGCAGCGGGCTCTGGCCTTCGAGAAGGGCAGTGTACTGTTAACATTGGGGCACTCCACACGAGA
 TTGGAGCACGGCAGGATTGCTCCTGCACCAGGGCACCAACCACGCTGCTGAGGCTTTCCAGAGGGCTGC
 TGGGGCTTCAGACTCCTGAGGGAGAATTCTCCACGCGCCAAGCCCAGACATGAGTGTGCTCCTCTCTC
 TCCATGCTGGAGCAGCTCATGATTGCCAGGCACAGGAATGCATCTTCAAGGGCTTTTACTGCCAGCCT
 CTGCCACACCTGACATCTGTCCAGATCAACTGCAGCTGGCCAGGAAGCTGCCAGGTGGCAACTGAATA
 TGGGCTTGTGCACCGGGCCATGGCCAGCCACCTGTCCGAGACTACCTGCCTGCCTCCTGGACTAACCTG
 GCGCACGTCAAGGTGAGCACTTCTGCGCCTGGCCACTATCATGCAGCCATGGCCCTTGCGAAAGCC
 CCCCACACTGCCGAGCACCCAGAAGACCGCAGGAAGCTTGCCAAGGCCACCTGAAGCGTGCCATCCTG
 GGCCAGGAGGAGCGCTGCGGCTTACACCTTGTGCAGAGTCTGCGCAAGGTGGACCTGCTGCAGGTTG
 TGGTACTCAGGCACTGCGGCGCTCCCTGGCCAAGTACTCACAGCTCGAGCGCGAGGATGACTTCTTCGA
 GGCTACGGAGGCCCCAGACATCCAACCCAAGACTCACCAGACCCAGAGGTGAGGATGCCTAGCCTGTCG
 CAGGTGAAGGTGACTGACTTCTTCCATCGGCTGGGACCCTTGTCTGTGTTTTCAACCAAGAACCATGGC
 AGTTGGTAGGGCCGTGCACATGACTCGAGGAGAGGGAAGCTTCGGGTTACGCTGCGCGGAGACTCTCC
 AGTCTCATCGTGTGCTGCTCCCTGGGGTCAAGGCTGAGTCCGCTGGCCTGAAGGAGGGCGACTACATC
 GTGTCCGTGAACGGGCGAGCCGTGCAAGTGGTGAAGCACCTGGAGGTGGTACACAGCTGAGGAGCATGG
 GCGAGGAAGCGTGAGCCTGCAGGTGCTGCTGCTGCTGCCAGCCCTGAGCCACGTGGCAGAGGACCCCG
 ACGGGCAGCACTGCTGTGAACCAAGAGAGAGTGTGGTTTTGAGACACCGATGCCACACGTACCCGCCCC
 TGGCCATCCTTGGCTGGAGCCGCAAGAATAAACAAGGCAAGACTGGAAGCCACCCTGACCCCTGCACCA
 ACAGGAAGTGTGCACCTGCCCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001163465
- Insert Size:** 1986 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: [NM_001163465.1](#), [NP_001156937.1](#)

RefSeq Size: 2303 bp

RefSeq ORF: 1986 bp

Locus ID: 14787

Cytogenetics: 15 D3

Gene Summary: Has no enzymatic activity. May serve as a target for Rho, and interact with some cytoskeletal component upon Rho binding or relay a Rho signal to other molecules.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer isoform (1).