

Product datasheet for **MC217702**

Rhpn1 (BC052010) Mouse Untagged Clone

Product data:

| | |
|--------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Rhpn1 (BC052010) 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: >BC052010
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGATCCTTGAGGAGAGGCCAGATGGCCAGGGCACTGGCGAGGAAAGCTCTCGGCCGAGGACGACGGCA
GCATCCGCAAGGGCTATGGCTCCTTTGTGCAAAACCAGCCTGGCCAGCTGCAGAGTCACAGGGCTCGGCT
CCACCAGCAGATCAGCAAGGAGCTCCGGATGCGGACCGGTGCTGAAAACCTCTACAGAGCCACCAGCAAC
ACCTGGGTCGAGAAACAGTCGCACTGGAGCTGAGCTACGTCAACTCCAACCTGCAGCTGCTGAAAGAGG
AGCTGGCAGAGCTGAGCACCAGCGTAGATGTGGACCAGCCAGAGGGCGAAGGGATTACTATCCCATGAT
CCCCCTGGGGCTGAAGGAAACCAAGGAGTTGGACTGGGCCACACCGCTGAAGGAGCTGATCTGAGCAC
TTTGGAGAGGATGGTACCTCCTTTGAGACAGAGATCCAGGAACTAGAAGACCTACGGCAGGCCACGAGGA
CTCCCAGCAGGGACGAGGCGGGCTGGATCTGCTCGCAGCCTACTATAGCCAGCTCTGTTTCTGGACGC
ACGTTTCTTCAGTCCCTCCAGGAGCCCCGGCTGCTTCCACTGGTACGACTCGCTCACGGGGTCCCCG
GCACAGCAGCGGGCTCTGGCCTTCGAGAAGGGCAGTGTACTGTTAACATTGGGGCACTCCACACGCAGA
TTGGAGCACGGCAGGATTGCTCCTGCACCAGGGCACCAACCACGCTGCTGAGGCTTTCCAGAGGGCTGC
TGGGGCCTTCAGACTCCTGAGGGAGAATTCTCCACGCGCCAAGCCCAGACATGAGTGCTGCCTCTCTC
TCCATGCTGGAGCAGCTCATGATTGCCAGGCACAGGAATGCATCTTCAAGGGCCTTTTACTGCCAGCCT
CTGCCACACCTGACATCTGTCCAGATCAACTGCAGCTGGCCCAGGAAGCTGCCAGGTGGCAACTGAATA
TGGGCTTGTGCACCGGCCATGGCCAGCCACCTGTCCGAGACTACCTGCCTGCCTCCTGGACTAACCTG
GCGCACGTCAAGGCTGAGCACTTCTGCGCCTGGCCACTATCATGCAGCCATGGCCCTGCGAAAGCC
ACCCAGCCAAGGGTGAACCTCGAAGGCAGGAGCAGCTTCCAGCCCTCCACTCCCCATGAGCCCTGGG
CCCCACACTGCCGAGCACCCAGAAGACCGCAGGAAGCTTGGAGGAGGCGCTGCGGCTTCACACCTTGTG
CAGAGTCTGCGCAAGGTGGACCTGCTGCAGGTTGGTACTCAGGCACTGCGGCGCTCCTGGCCAAG
TACTCACAGCTCGAGCGGAGGATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Restriction Sites: Sgfl-Mlul

ACCN: BC052010

Insert Size: 1356 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: [BC052010](#), [AAH52010](#)

RefSeq Size: 2301 bp

RefSeq ORF: 1355 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]