

Product datasheet for **MC220432**

Rhpn2 (NM_027897) Mouse Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Rhpn2 (NM_027897) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Rhpn2 |
| Synonyms: | 1300002E07Rik; AA536890; C85860; D7Erttd784e |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >MC220432 representing NM_027897
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCGATACGCTGCTACCCGCGGCTCCCCAGCCGCTGGAGAAAGAGGGTGACGACTACTTTTCAAAGG
 GTTGTAAATCCCCTTGACAAACTGGCCGAGCAAGCTGCAGAATCAAAGGGCTGCCTTGAACCAGCAGAT
 CCTGAAGGCTGTGCGGATGCGGACAGGACCGAGAACCCTTCTGAAGGTCGCCACAAACCAGAAGGTGCGG
 GAACAGGTTCCGCTGGAGCTGAGCTTTGTCAACTCAGACCTGCAGATGCTGAAGGAGGAGCTGGAGGGGC
 TCAACATCTCCGTGGGAGTGTACCAGGGCACCGAGGAAGCGTTACCATTCTCTGATTCTCTCGGCCCT
 GAAGGAGACCAAAGAAGTTGACTTTTCCATCGTCTTCAAGGATTTATTTTGAACACTACAGTGAAGAT
 AGCTATTTGTATGAGGATGACATTGCAGACCTATGGACCTGCGACAGGCCTGTCGAACACCCAGCAGGG
 ATGAGGCGGGGGTCAACTGCTCATGTCGTAATTCATTAGCTGGGCTTTGTGGAGAGCAGGTTCTTCCC
 ACCCACGCGTCACATGGGGCTCCTGTTTACCTGGTATGACTCCTTCACTGGGTTCCGGTCAGCCAGCAG
 ACTTTGCTGTTGGAGAAGGCCAGCGTTCCTTCAACATTGGGGCGCTCTACACCCAGATCGGGACCCGCT
 GTAACCGGCAGACGCAGGCTGGCTTAGAGAGCGCTGTGGATGCCTTTCAAAGAGCTGCAGGGGTTTTAA
 CTACCTGAAAGAGACCTTCACTCACACTCCAAGTTACGACATGAGCCCTGCCATGCTCAGTGTGCTGGTC
 AAAATGATGCTCGCCCAAGCCAAAGAAAGTGTGTTTGAGAAAAGTGCCTCCCGGGGATCCAGAACGAGT
 TCTTCGTGCTGGTAAAGGTGGCTCAGGAGGCTGCCAAGGTGGCAGAGGCCTACCGGCAGCTGCATGCGGC
 CATGAGCCAGGAACAGTGAAAGAGAACATCCCGTATTCGTGGGCCAGTGTGGCCTATGTGAAGGCCTAC
 CACTATGGGGCCCTGGCTCACTACTTTGCGGCCACCCTCCTCATCGACCACAGCTAAAGCCAGGCGCAG
 ACGAGGACCAACAAGAGAAGTGTCTGCCAGCTCTATGACCGCATGCCAGAAGGGATGACGCCGCTGGC
 CACGCTGAAGAATGCTGGGCAGCGTGTGCTGCTGGGTAAGGACATCTGCACCGGCCATTGGTTTTTAC
 GAGGAGTCACTGAGGGAGGCCAACCTGTGCAAGAAGCTGCGTGACATTCAGGTGCTCCGGGATGTGCTGT
 CTGCTGCCATCAGCGCACTCAGCTCAAGCACACCCAGCACCGAGAGGATGACGACCTTCTGAACCTGAT
 TGACGCTCCAGATGTCTTCCAAAAACTGAGCGAGAGGTCAAAAATAACCTTCCCGACTTTTCCAAAGTG
 ACAGTGACAGACTTCTCCAGAAGCTGGGTCCCCTGTCTGTGTTTTCGGCCAGCAAGAGATGGTCACCTC
 CTCGGGGCATTCACTTACAGTGAGGAAGGGGACTTGGGGTTACCTTACGAGGGAACACCCAGTCCA
 GGTACACTTCTGGATCCTCACTGCTGCTTCTGCTTGCAGGGGCCAAGGAAGGAGATTACATTGTTTCC
 ATCAAGCGGTGATTGCAAGTGGCTGACAGTGAGTATGAAGTTGCTGAAGAGCTTTGGGGGAG
 AAGAGTTGAGATGAAGTCTGAGCCTCCTGGACTCCACATCGTCCATGCATAATAAGTGTGCCACTTA
 CTCTGTGGGGATGCAGAAAACCTACTCCATGATATGCCTGTCCATGGACGATGATGACAAAGCTGACAAA
 ACCAAGAAGATCTCAAAAAGCTCTCCTTCTTGTGTTGGGGCACTAGTAAAAACAGACAGAAGTCGGCCA
 GCACGCTGTGCTCCCGAGGTTGGCCTGGCGAGGTCGCAAAACAAGAAGAACTCCCGACTCCCTTCAG
 CCTGCTCAACTCTGACAGCTCTGTACT**GA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_027897

Insert Size: 2061 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_027897.4](#), [NP_082173.3](#)

RefSeq Size: 3439 bp

RefSeq ORF: 2061 bp

Locus ID: 52428

UniProt ID: [Q8BWR8](#)

Cytogenetics: 7 21.36 cM

Gene Summary: Binds specifically to GTP-Rho. May function in a Rho pathway to limit stress fiber formation and/or increase the turnover of F-actin structures in the absence of high levels of RhoA activity (By similarity).[UniProtKB/Swiss-Prot Function]