

## Product datasheet for **RN209566**

### **Rph3a (NM\_133518) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Rph3a (NM_133518) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rph3a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN209566 representing NM\_133518  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACTGACACTGTGGTGAACCGTTGGATGTACCTGGTATGGCCACTGCAGTCAAATGACAAGGAAC  
 AGCTGCAGGCAGGATGGTCCGTCATCCTGGAGCACAGACGGACAGGAGGAAGCAGGAAGAAGTGC  
 AGACGAGGAGAAGGAGATAATCAACCGGGTGATAGCTCGGGCAGAGAAGATGAAACCATGGAGCAGGAG  
 CGCATCGGGCGCCTGGTGGACCGTCTGGAGACCATGAGGAAGAATGTAGCTGGAGATGGTGTGAACCGTT  
 GCATCCTGTGCGGGGAACAGCTGGGCATGCTGGGCTCTGCGTGTGTGCTGTGTAAGACTGTAAGAAGAA  
 TGTCTGCACCAAGTGTGGGGTGGAGACCTCCAACAACCGTCCGCATCCAGTATGGCTCTGTAAGATCTGC  
 CTTGAGCAGAGAGAGGTCTGGAAGCGCTCGGGAGCATGGTTCTTCAAGGGTTTCCAAAACAGGTCCTTC  
 CACAGCCCATGCCTATAAAGAAGACCAAGCCCCAGCAGCCTGCTGGTGGAGCCGCCACCCAGGAGCAGCC  
 TACACCCGAGTCCAGGCATCCAGCCAGAGCTCCAGCTCGAGGTGACATGGAGGACAGGAGGGCCCCAGGA  
 CAGAAGCCAGGCCCTGACCTCACCTCTGCTCCTGGACGAGGAAGCCATGGGCCTCCACACGCAGGGCCT  
 CTGAGGCCCGGATGAGTACAACCACCGTGATTCTGAGGGCTGGGACCATGGTATGGTGGGGGTGCTGG  
 AGACACCAGCCGGAGCCAGGAGGTGAGCAAGTTTGGGCGAGCTAACTCAGTCCAGGCCCTCCGCCCA  
 GCTCCAGCCTCCATGCCAAGCCCGGCACCTCCTCAGCCGTGCAGCCAGGGCCCCCTGGGGCAGCAGGG  
 CCGCTCCTGGGCCGGGACGCTTTCAGAGCAGAGCACAGAGGCTCCTCCAAGTGACCCTGGCTATCCAGG  
 GGCTGTTGCCAGCCCGGGAGGAGAGGACAGGACCCACAGGGGGCTTCCAGGCAGCGCCCCACTGCG  
 GGTCCTATTCCAGGCGGCCCTGCCGCCAGCACCCTGCTGAGGAAGAGGAGGAAGAAGCCAACA  
 GCTATGACTCAGATCAAGCAACCACACTGGTGCCCTGGAATTCAGCCTTCTCTATGACCAAGACAACAG  
 CAACCTGCAGTGCACCATCATCAGGGCGAAGGGACTGAAGCCCATGGACTCCAACGGCTTAGCGGATCCC  
 TATGTGAAGTGCATCTGCTGCCTGGAGCCAGCAAGTCCAACAAGCTTCGTACAAAGACCTGCGCAACA  
 CCCGGAACCTGTGTGGAACGAGACGCTGCAGTATCATGGCATTACTGAGGAGGACATGCAGAGGAAGAC  
 ACTCAGGATCTCTGTATGTGACGAGGACAAGTTTGGCCACAATGAGTTCATTGGTGAGACCAGGTTCTCG  
 CTCAAGAACTGAAGGCGAACAGAGGAAAACTTCAACATCTGCCTGGAGCGGGTATCCCGATGAAGC  
 GCGCAGGAACCACTGGGTGAGCAGTGGCATGGCTCTCTATGAGGAGGAGCAGGTGGAGCGGATCGGAGA  
 CATAGAGGAACGGGCAAGATCCTGGTGTCCCTCATGTACAGCACGCAGGCGGCCCTCATCGTGGGA  
 ATTATCCGCTGTGTGCACCTGGCTGCCATGGACGCCAACGGCTACTCAGACCCCTTCGTCAAGCTCTGGC  
 TGAACCCGGACATGGGGAAGAAAGCCAAGCACAAGACTCAGATTAAGAAAGAACCCCTGAATCCCGAGTT  
 TAATGAGGAGTCTTTTATGATATCAAACACAGCGACCTGGCCAAAAAGTCCCTGGATATCTCAGTGTGG  
 GACTACGACATTGGCAAATCGAATGATTACATCGGAGGCTGCCAGCTGGGGATCTCGGCCAAGGGCGAGC  
 GCTTGAACATTGGTATGAGTGTCTGAAGAACAAGACAAGAAGATTGAACGTTGGCACCAACTGCAGAA  
 CGAGAACCACGTGTCGAGCGC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_133518
- Insert Size:** 2055 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\\_133518.1](#), [NP\\_598202.1](#)

**RefSeq Size:** 2659 bp

**RefSeq ORF:** 2055 bp

**Locus ID:** 171039

**UniProt ID:** [P47709](#)

**Cytogenetics:** 12q16

**Gene Summary:** binds Ca<sup>2+</sup> and phospholipids [RGD, Feb 2006]