

Product datasheet for **RR209566**

Rph3a (NM_133518) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR209566 representing NM_133518
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGACTGACACTGTGGTGAACCGTTGGATGTACCCTGGTATGGCCCACTGCAGTCAAATGACAAGGAAC
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Protein Sequence: >RR209566 representing NM_133518
Red=Cloning site Green=Tags(s)

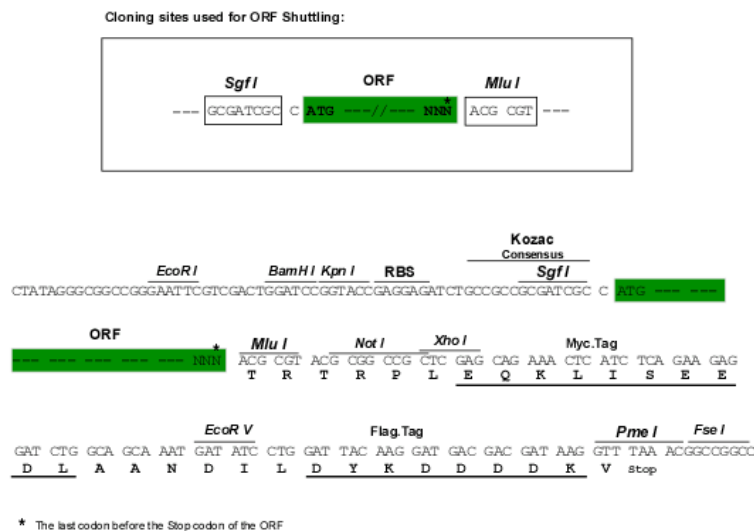
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_133518

ORF Size: 2052 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

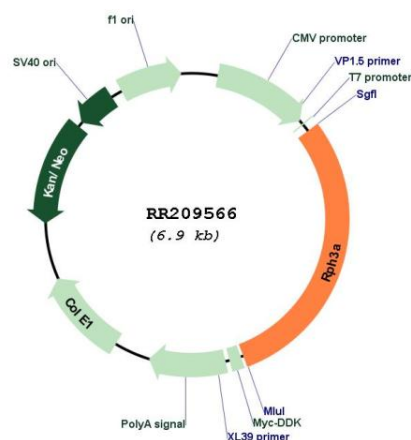
UniProt ID: [P47709](#)

Cytogenetics: 12q16

MW: 75.8 kDa

Gene Summary: binds Ca²⁺ and phospholipids [RGD, Feb 2006]

Product images:



Circular map for RR209566