

## Product datasheet for **SC329418**

### **RPH3AL (NM\_001190411) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RPH3AL (NM\_001190411) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** RPH3AL  
**Synonyms:** NOC2  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329418 representing NM\_001190411.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

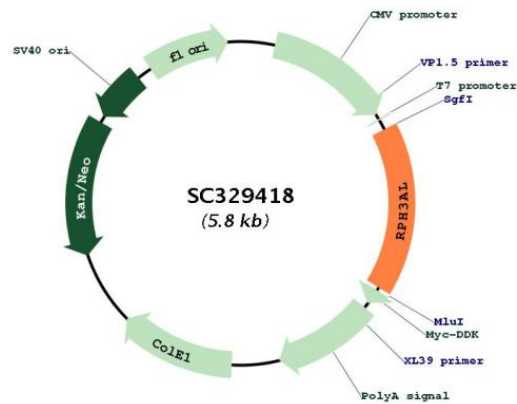
```
ATGGCCGACACCATCTTCGGCAGCGGGAATGATCAGTGGGTTTGCCCAATGACCGGCAGCTTGCCCTT
CGAGCCAAGCTGCAGACGGGCTGGTCCGTGCACACCTACCAGACGGAGAAGCAGAGGAGGAAGCAGCAC
CTCAGCCCGGGGAGGTGGAGGCCATCCTGCAGGTCATCCAGAGGGCAGAGCGGCTCGACGTCCTGGAG
CAGCAGAGAATCGGGCGGCTGGTGGAGCGGCTGGAGACCATGAGGCGGAATGTGATGGGGAACGGCCTG
TCCCAGTGTCTGCTCTGCGGGGAGGTGCTGGGCTTCTGGGCAGCTCGTCGGTGTCTGCAAAGACTGC
AGGAAGAAAGTCTGCACCAAATGTGGGATCGAGGCCTCCCTGGCCAGAAGCGGCCCTGTGGCTGTGT
AAGATCTGCAGTGAGCAAAGAGAGGTCTGGAAGAGGTCGGGGGCCTGGTTCTACAAGGGCTCCCCAAG
TATATCTTGCCCTGAAGACCCCTGGCCGAGCTGATGACCCCACTTCCGACCTTTGCCACGGAACCG
GCAGAGCGAGAGCCCAGAAGCTCTGAGACCAGCCGCATCTACACGTGGGCCCGAGGAAGAGTGGTTTCC
AGTGACAGTGACAGTGACTCGGATCTTAGCTCCTCCAGCCTAGAGGACAGACTCCCATCCACTGGGGTC
AGGGACCGGAAAGGCGACAAACCCTGGAAGGAGTCAGGTGGCAGCGTGGAGGCCCCAGGATGGGGTTC
ACCCACCCGCGGGCCACCTCTCTGGGTGCCAGAGCAGCCTGGCCAGTGGTGAGACGGGGACAGGCTCT
GCTGACCCGCCAGGGGACCCCGCCCGGGCTGACCCGAAGGGCCCGGTAAAAGACACACCTGGACGA
GCCCCCGCTGCTGACGCAGCTCCAGCAGGCCCTCCAGCTGCCTGGGCTGA
```

**Restriction Sites:** Sgfl-Mlul



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## Plasmid Map:



**ACCN:** NM\_001190411

**Insert Size:** 948 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\\_001190411.1](#)

RefSeq Size: 2578 bp

RefSeq ORF: 948 bp

Locus ID: 9501

UniProt ID: [Q9UNE2](#)

Cytogenetics: 17p13.3

Protein Families: Secreted Protein

MW: 34.5 kDa

**Gene Summary:** The protein encoded by this gene plays a direct regulatory role in calcium-ion-dependent exocytosis in both endocrine and exocrine cells and plays a key role in insulin secretion by pancreatic cells. This gene is likely a tumor suppressor. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jun 2010]  
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1, and encodes isoform 1. Variants 1 and 2 encode the same isoform (1).