

## Product datasheet for **RC215185**

### **RGS11 (NM\_183337) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | RGS11 (NM_183337) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | RGS11                                    |
| Synonyms:                 | RS11                                     |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



[View online »](#)

ORF Nucleotide  
Sequence:

```
>RC215185 representing NM_183337
Red=Cloning site Blue=ORF Green=Tags(s)
```

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

[illegible]

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC215185 representing NM\_183337  
Red=Cloning site Green=Tags(s)

MAAGPAPPPGRPRAQMPHLRKMERVVSMQDPDQGVKMRQRLL VTVIPHAVTGSDDVVQWLAQKFCVSEE  
EALHLGAVLVQHGYIYPLRDRSLMLRPDETPYRFQTPYFWTSTLRPAEELDYAIYLAKKNIRKRGTLVD  
YEKDCYDRLHKKINHAWDLVLMQAREQLRAAQKRSKGDRLVIACQEQTYWLVNRPPEGAPDVLVEQPGGRG  
SCAASRVLMTKSADFHKREIEYFRKALGRTRVKSSVCLAEYLSFCGQRGPHDPLVSGCLPSNPWISDND  
YWMNAPTVAAPTCLRVERWGSFRELLEDPVGRAHFMDLKGKESGENSFWACEELRYGAQAQVPTL  
VDAYVEQFLAPGAHHWNIDSRSTQLEGLRQPHRYVLDDQLHGYMLMKKDSYPRFLKSDMYKALLAE  
AGIPLMKRRYFPFHTWRSSSPALLPTPVEPTAACGPGGGDGYA

SGPTRRRL EOKLISEEDLAANDILDYKDDDDKV

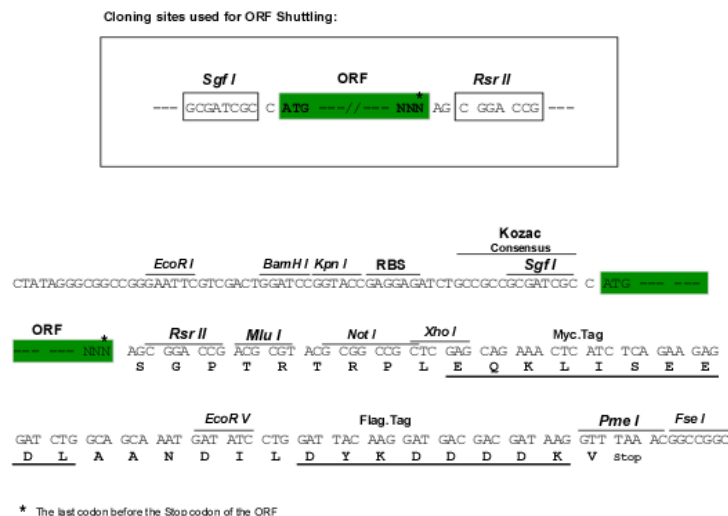
### Chromatograms:

[https://cdn.origene.com/chromatograms/mk8027\\_d10.zip](https://cdn.origene.com/chromatograms/mk8027_d10.zip)

**Restriction Sites:**

Sgfl-RsrII

## Cloning Scheme:



ACCN: NM\_183337

ORF Size: 1401 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM\\_183337.3](#)

RefSeq Size: 2373 bp

RefSeq ORF: 1404 bp

Locus ID: 8786

UniProt ID: [O94810](#)

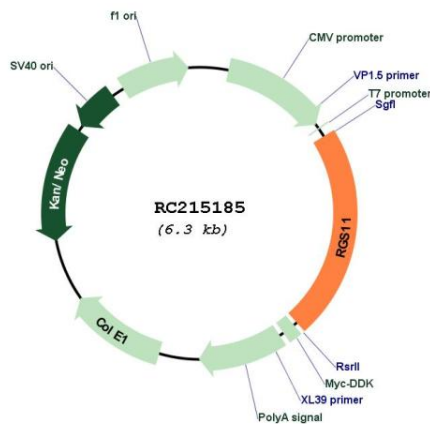
Cytogenetics: 16p13.3

Protein Families: Druggable Genome

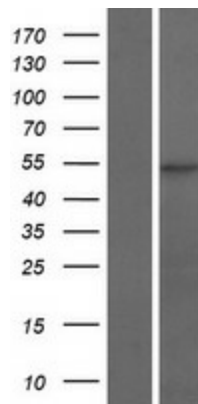
MW: 52.8 kDa

**Gene Summary:** The protein encoded by this gene belongs to the RGS (regulator of G protein signaling) family. Members of the RGS family act as GTPase-activating proteins on the alpha subunits of heterotrimeric, signal-transducing G proteins. This protein inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form. Alternative splicing occurs at this locus and four transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Nov 2013]

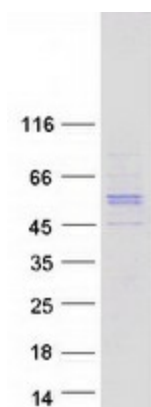
## Product images:



Circular map for RC215185



Western blot validation of overexpression lysate (Cat# [LY405244]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215185 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RGS11 protein (Cat# [TP315185]). The protein was produced from HEK293T cells transfected with RGS11 cDNA clone (Cat# RC215185) using MegaTran 2.0 (Cat# [TT210002]).