

## Product datasheet for **SR511061**

### **Rgs7bp Rat siRNA Oligo Duplex (Locus ID 294715)**

#### **Product data:**

|                     |   |
|---------------------|---|
| Product Type:       | siRNA Oligo Duplexes  |
| Purity:             | HPLC purified   |
| Quality Control:    | Tested by ESI-MS  |
| Sequences:          | Available with shipment   |
| Stability:          | One year from date of shipment when stored at -20°C.  |
| # of transfections: | Approximately 330 transfections/2nmol in 24-well plate under optimized conditions (final conc. 10 nM).  |
| Note:               | Single siRNA duplex (10nmol) can be ordered.  |
| RefSeq:             | <u><a href="#">NM_001012347</a></u>   |
| UniProt ID:         | <u><a href="#">Q5FVH8</a></u>   |
| Synonyms:           | R7bp; RGD1309360  |
| Components:         | Rgs7bp (Rat) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 294715)<br>Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol<br>Included - SR30005, RNase free siRNA Duplex Resuspension Buffer - 2 ml   |
| Summary:            | Regulator of G protein-coupled receptor (GPCR) signaling. Regulatory subunit of the R7-Gbeta5 complexes that acts by controlling the subcellular location of the R7-Gbeta5 complexes. When palmitoylated, it targets the R7-Gbeta5 complexes to the plasma membrane, leading to inhibit G protein alpha subunits. When it is unpalmitoylated, the R7-Gbeta5 complexes undergo a nuclear/cytoplasmic shuttling. May also act by controlling the proteolytic stability of R7 proteins, probably by protecting them from degradation.<br>[UniProtKB/Swiss-Prot Function] |



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**Performance  
Guaranteed:**

OriGene guarantees that at least two of the three Dicer-Substrate duplexes in the kit will provide at least 70% or more knockdown of the target mRNA when used at 10 nM concentration by quantitative RT-PCR when the TYE-563 fluorescent transfection control duplex (cat# SR30002) indicates that >90% of the cells have been transfected and the HPRT positive control (cat# SR30003) provides 90% knockdown efficiency.

For non-conforming siRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the siRNA kit. To arrange for a free replacement with newly designed duplexes, please contact Technical Services at [techsupport@origene.com](mailto:techsupport@origene.com). Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled siRNA control (quantitative RT-PCR data required).