

## Product datasheet for **TR309165**

### SP3 Human shRNA Plasmid Kit (Locus ID 6670)

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | shRNA Plasmids  |
| Product Name:             | SP3 Human shRNA Plasmid Kit (Locus ID 6670)   |
| Locus ID:                 | 6670  |
| Synonyms:                 | SPR2  |
| Vector:                   | pRS (TR20003)   |
| E. coli Selection:        | Ampicillin  |
| Mammalian Cell Selection: | Puromycin   |
| Format:                   | Retroviral plasmids   |
| Components:               | SP3 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 6670). 5µg purified plasmid DNA per construct<br>29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.  |
| RefSeq:                   | <a href="#">NM_001017371</a> , <a href="#">NM_001172712</a> , <a href="#">NM_003111</a> , <a href="#">NM_001017371.1</a> , <a href="#">NM_001017371.2</a> , <a href="#">NM_001017371.3</a> , <a href="#">NM_001017371.4</a> , <a href="#">NM_003111.1</a> , <a href="#">NM_003111.2</a> , <a href="#">NM_003111.3</a> , <a href="#">NM_003111.4</a> , <a href="#">NM_001172712.1</a> , <a href="#">BC126414</a> , <a href="#">BC042945</a> , <a href="#">BC143928</a> , <a href="#">NM_001017371.5</a>  |
| UniProt ID:               | <a href="#">Q02447</a>  |
| Summary:                  | This gene belongs to a family of Sp1 related genes that encode transcription factors that regulate transcription by binding to consensus GC- and GT-box regulatory elements in target genes. This protein contains a zinc finger DNA-binding domain and several transactivation domains, and has been reported to function as a bifunctional transcription factor that either stimulates or represses the transcription of numerous genes. Transcript variants encoding different isoforms have been described for this gene, and one has been reported to initiate translation from a non-AUG (AUA) start codon. Additional isoforms, resulting from the use of alternate downstream translation initiation sites, have also been noted. A related pseudogene has been identified on chromosome 13. [provided by RefSeq, Feb 2010] |
| shRNA Design:             | These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .  |



[View online »](#)

**Performance  
Guaranteed:**

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, 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 shRNA control (Western Blot data preferred).