

## Product datasheet for **TR312705**

### **GOLGA3 Human shRNA Plasmid Kit (Locus ID 2802)**

#### **Product data:**

<b>Product Type:</b>	shRNA Plasmids
<b>Product Name:</b>	GOLGA3 Human shRNA Plasmid Kit (Locus ID 2802)
<b>Locus ID:</b>	2802
<b>Synonyms:</b>	GCP170; MEA-2
<b>Vector:</b>	pRS (TR20003)
<b>E. coli Selection:</b>	Ampicillin
<b>Mammalian Cell Selection:</b>	Puromycin
<b>Format:</b>	Retroviral plasmids
<b>Components:</b>	GOLGA3 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 2802). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
<b>RefSeq:</b>	<a href="#">NM_001172557</a> , <a href="#">NM_005895</a> , <a href="#">NM_178137</a> , <a href="#">NM_005895.1</a> , <a href="#">NM_005895.2</a> , <a href="#">NM_005895.3</a> , <a href="#">NM_001172557.1</a> , <a href="#">BC037937</a> , <a href="#">BC060826</a> , <a href="#">BC142658</a> , <a href="#">BC146675</a> , <a href="#">BM842318</a> , <a href="#">BM981309</a> , <a href="#">NM_001172557.2</a> , <a href="#">NM_005895.4</a>
<b>UniProt ID:</b>	<a href="#">Q08378</a>
<b>Summary:</b>	The Golgi apparatus, which participates in glycosylation and transport of proteins and lipids in the secretory pathway, consists of a series of stacked cisternae (flattened membrane sacs). Interactions between the Golgi and microtubules are thought to be important for the reorganization of the Golgi after it fragments during mitosis. This gene encodes a member of the golgin family of proteins which are localized to the Golgi. Its encoded protein has been postulated to play a role in nuclear transport and Golgi apparatus localization. Several alternatively spliced transcript variants that encode different protein isoforms have been described for this gene. [provided by RefSeq, Feb 2010]
<b>shRNA Design:</b>	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> .



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**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).