

## Product datasheet for **SR306405**

### RGS6 Human siRNA Oligo Duplex (Locus ID 9628)

#### 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:	<a href="#">NM_001204416</a> , <a href="#">NM_001204417</a> , <a href="#">NM_001204418</a> , <a href="#">NM_001204419</a> , <a href="#">NM_001204420</a> , <a href="#">NM_001204421</a> , <a href="#">NM_001204422</a> , <a href="#">NM_001204423</a> , <a href="#">NM_001204424</a> , <a href="#">NM_004296</a> , <a href="#">NR_135235</a> , <a href="#">NM_001370270</a> , <a href="#">NM_001370271</a> , <a href="#">NM_001370272</a> , <a href="#">NM_001370273</a> , <a href="#">NM_001370274</a> , <a href="#">NM_001370276</a> , <a href="#">NM_001370278</a> , <a href="#">NM_001370281</a> , <a href="#">NM_001370284</a> , <a href="#">NM_001370290</a> , <a href="#">NM_001370275</a> , <a href="#">NM_001370277</a> , <a href="#">NM_001370279</a> , <a href="#">NM_001370280</a> , <a href="#">NM_001370282</a> , <a href="#">NM_001370283</a> , <a href="#">NM_001370286</a> , <a href="#">NM_001370287</a> , <a href="#">NM_001370288</a> , <a href="#">NM_001370289</a> , <a href="#">NM_001370291</a> , <a href="#">NM_001370292</a> , <a href="#">NM_001370293</a> , <a href="#">NM_001370294</a>
UniProt ID:	<a href="#">P49758</a>
Synonyms:	GAP; HA117; S914
Components:	RGS6 (Human) - 3 unique 27mer siRNA duplexes - 2 nmol each (Locus ID 9628) Included - SR30004, Trilencer-27 Universal Scrambled Negative Control siRNA Duplex - 2 nmol Included - SR30005, RNAse free siRNA Duplex Resuspension Buffer - 2 ml
Summary:	This gene encodes a member of the RGS (regulator of G protein signaling) family of proteins, which are defined by the presence of a RGS domain that confers the GTPase-activating activity of these proteins toward certain G alpha subunits. This protein also belongs to a subfamily of RGS proteins characterized by the presence of DEP and GGL domains, the latter a G beta 5-interacting domain. The RGS proteins negatively regulate G protein signaling, and may modulate neuronal, cardiovascular, lymphocytic activities, and cancer risk. Many alternatively spliced transcript variants encoding different isoforms with long or short N-terminal domains, complete or incomplete GGL domains, and distinct C-terminal domains, have been described for this gene, however, the full-length nature of some of these variants is not known.[provided by RefSeq, Mar 2011]



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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).