

## Product datasheet for **TL309999**

### **RAB35 Human shRNA Plasmid Kit (Locus ID 11021)**

#### **Product data:**

<b>Product Type:</b>	shRNA Plasmids
<b>Product Name:</b>	RAB35 Human shRNA Plasmid Kit (Locus ID 11021)
<b>Locus ID:</b>	11021
<b>Synonyms:</b>	H-ray; RAB1C; RAY
<b>Vector:</b>	pGFP-C-shLenti (TR30023)
<b>E. coli Selection:</b>	Chloramphenicol (34 ug/ml)
<b>Mammalian Cell Selection:</b>	Puromycin
<b>Format:</b>	Lentiviral plasmids
<b>Components:</b>	RAB35 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 11021). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
<b>RefSeq:</b>	<a href="#">NM_001167606</a> , <a href="#">NM_006861</a> , <a href="#">NM_006861.1</a> , <a href="#">NM_006861.2</a> , <a href="#">NM_006861.3</a> , <a href="#">NM_006861.4</a> , <a href="#">NM_006861.5</a> , <a href="#">NM_006861.6</a> , <a href="#">NM_001167606.1</a> , <a href="#">BC015931</a> , <a href="#">BC015931.2</a> , <a href="#">BC017753</a> , <a href="#">BM467132</a> , <a href="#">NM_001167606.2</a> , <a href="#">NM_006861.7</a>
<b>UniProt ID:</b>	<a href="#">Q15286</a>
<b>Summary:</b>	The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. That Rab is involved in the process of endocytosis and is an essential rate-limiting regulator of the fast recycling pathway back to the plasma membrane. During cytokinesis, required for the postfurling terminal steps, namely for intercellular bridge stability and abscission, possibly by controlling phosphatidylinositol 4,5-bis phosphate (PIP2) and SEPT2 localization at the intercellular bridge. May indirectly regulate neurite outgrowth. Together with TBC1D13 may be involved in regulation of insulin-induced glucose transporter SLC2A4/GLUT4 translocation to the plasma membrane in adipocytes.[UniProtKB/Swiss-Prot Function]



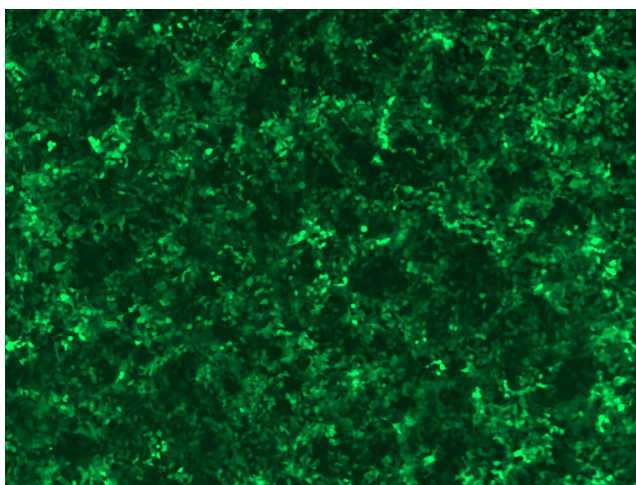
[View online »](#)

**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 [techsupport@origene.com](mailto:techsupport@origene.com). If you need a special design or shRNA sequence, please utilize our [custom shRNA service](#).

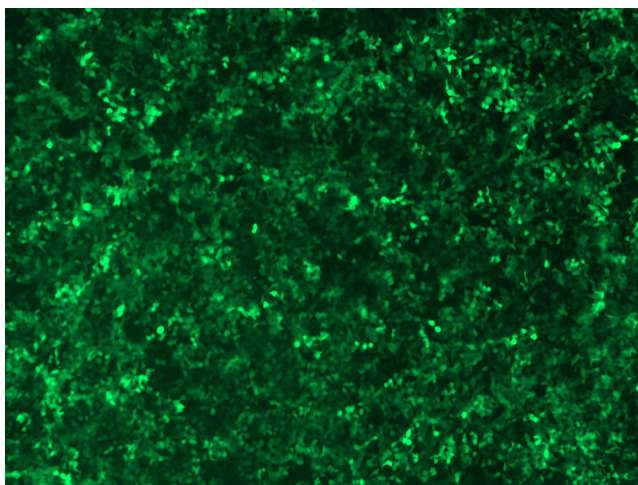
**Performance Guaranteed:** OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection 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).

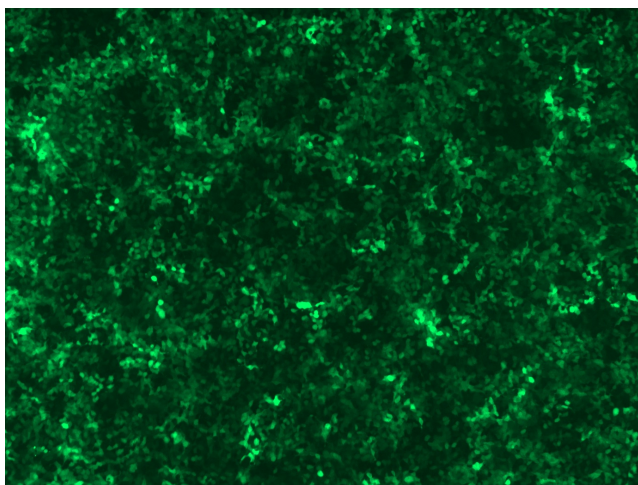
### Product images:



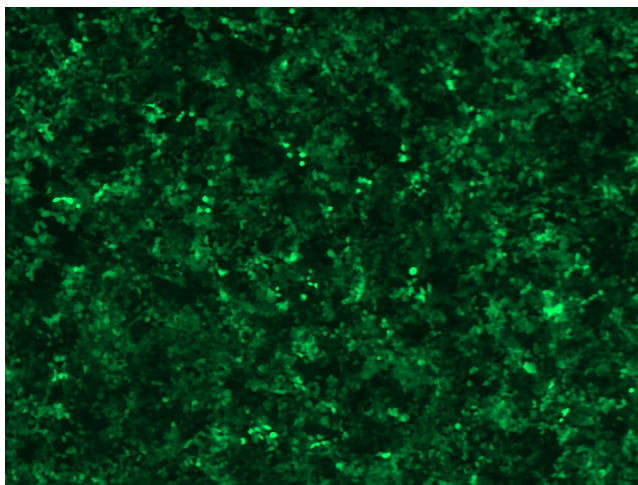
GFP signal was observed under microscope at 48 hours after transduction of TL309999A virus into HEK293 cells. TL309999A virus was prepared using lenti-shRNA TL309999A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL309999B virus into HEK293 cells. TL309999B virus was prepared using lenti-shRNA TL309999B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL309999C] virus into HEK293 cells. [TL309999C] virus was prepared using lenti-shRNA [TL309999C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL309999D] virus into HEK293 cells. [TL309999D] virus was prepared using lenti-shRNA [TL309999D] and [TR30037] packaging kit.