OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TL312832V

GATA6 Human shRNA Lentiviral Particle (Locus ID 2627)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	GATA6 Human shRNA Lentiviral Particle (Locus ID 2627)
Locus ID:	2627
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	GATA6 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_005257, NM_005257.1, NM_005257.2, NM_005257.3, NM_005257.4, NM_005257.5, BC027891, NM_005257.6
UniProt ID:	Q92908
Summary:	This gene is a member of a small family of zinc finger transcription factors that play an important role in the regulation of cellular differentiation and organogenesis during vertebrate development. This gene is expressed during early embryogenesis and localizes to endo- and mesodermally derived cells during later embryogenesis and thereby plays an important role in gut, lung, and heart development. Mutations in this gene are associated with several congenital defects. [provided by RefSeq, Mar 2012]
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. If you need a special design or shRNA sequence, please utilize our custom shRNA service.

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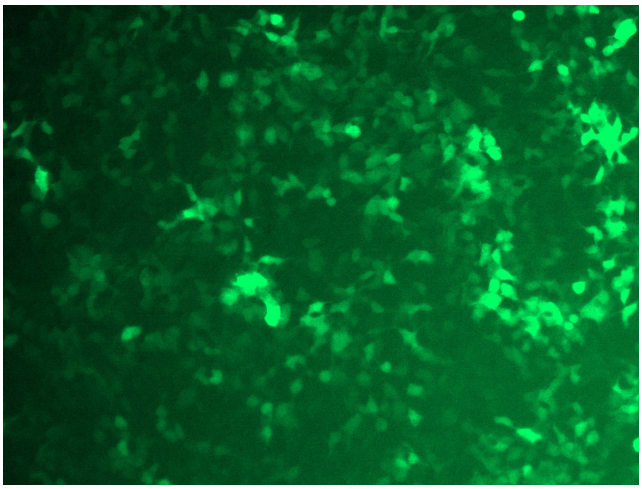
Performance Guaranteed:

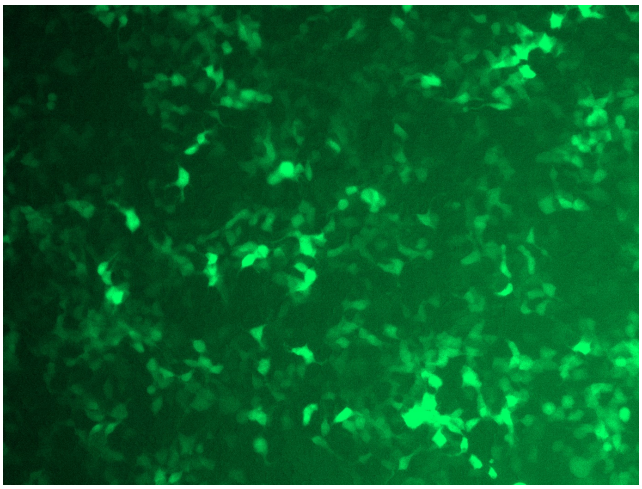
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. 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. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).

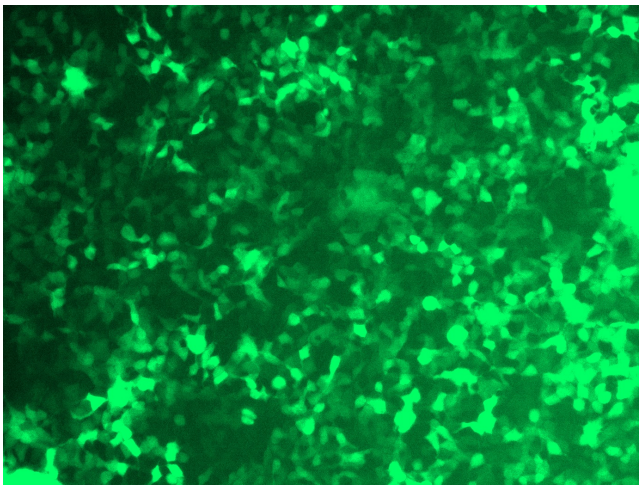
Product images:



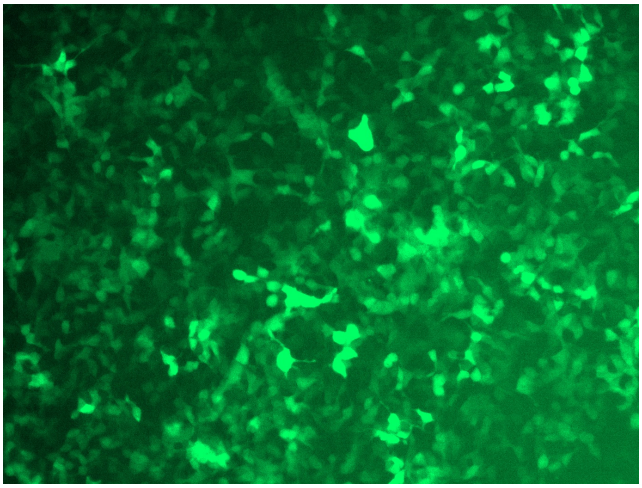
GFP signal was observed under microscope at 48 hours after transduction of TL312832A virus into HEK293 cells. TL312832A virus was prepared using lenti-shRNA TL312832A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL312832B virus into HEK293 cells. TL312832B virus was prepared using lenti-shRNA TL312832B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL312832C] virus into HEK293 cells. [TL312832C] virus was prepared using lenti-shRNA [TL312832C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL312832D] virus into HEK293 cells. [TL312832D] virus was prepared using lenti-shRNA [TL312832D] and [TR30037] packaging kit.