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Product datasheet for TL306767V

ALDH16A1 Human shRNA Lentiviral Particle (Locus ID 126133)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	ALDH16A1 Human shRNA Lentiviral Particle (Locus ID 126133)
Locus ID:	126133
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	ALDH16A1 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001145396, NM_153329, NM_153329.1, NM_153329.2, NM_153329.3, NM_001145396.1, BC014895, BC014895.2, BC035641, BC042142, NM_001145396.2
UniProt ID:	Q8IZ83
Summary:	This gene encodes a member of the aldehyde dehydrogenase superfamily. The family members act on aldehyde substrates and use nicotinamide adenine dinucleotide phosphate (NADP) as a cofactor. This gene is conserved in chimpanzee, dog, cow, mouse, rat, and zebrafish. The protein encoded by this gene interacts with maspardin, a protein that when truncated is responsible for Mast syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 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 techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.

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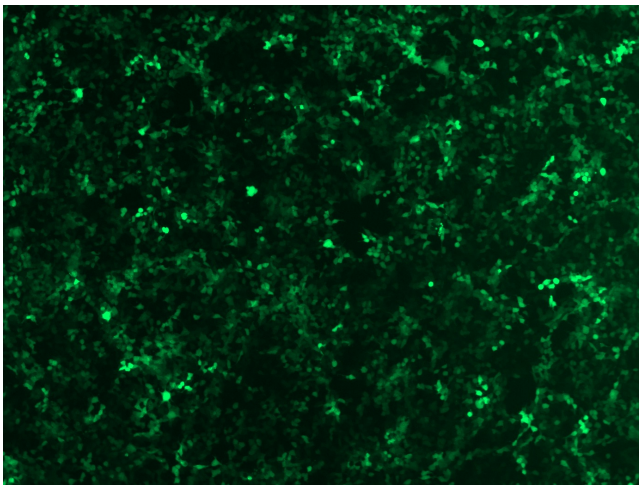
Performance Guaranteed:

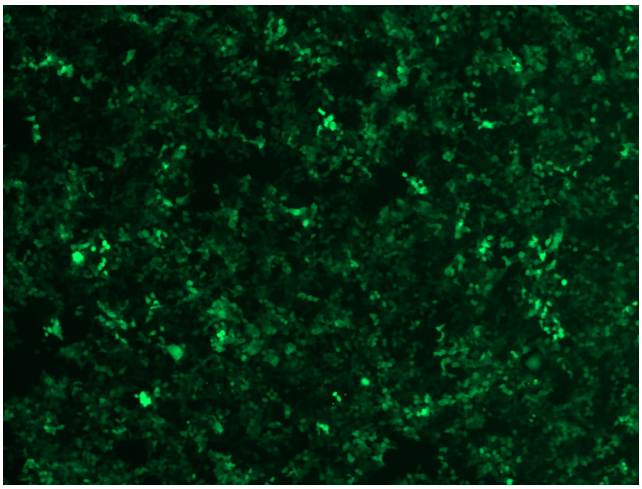
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. 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).

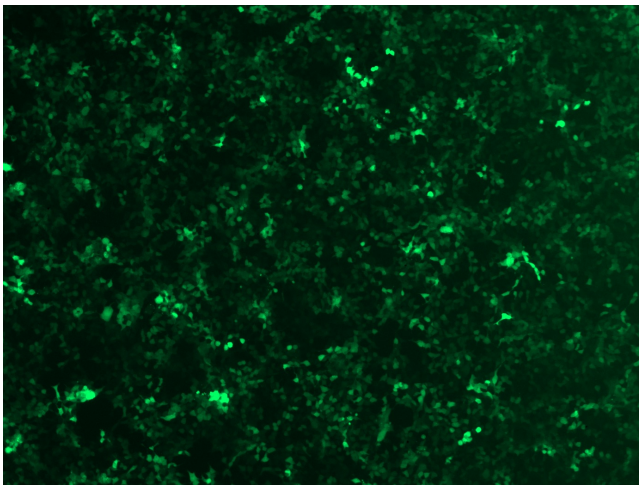
Product images:



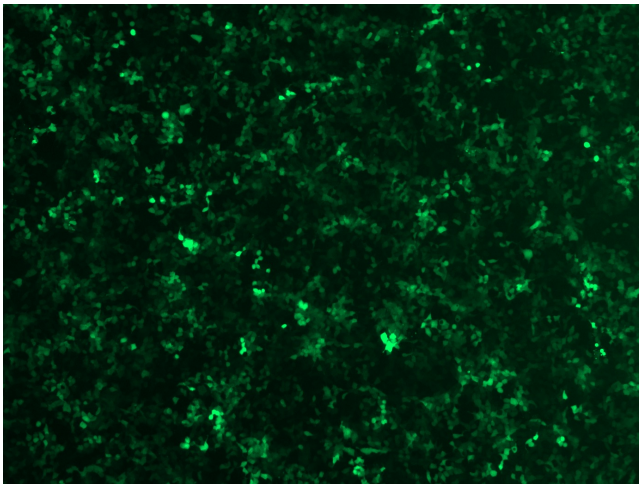
GFP signal was observed under microscope at 48 hours after transduction of TL306767A virus into HEK293 cells. TL306767A virus was prepared using lenti-shRNA TL306767A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL306767B virus into HEK293 cells. TL306767B virus was prepared using lenti-shRNA TL306767B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL306767C] virus into HEK293 cells. [TL306767C] virus was prepared using lenti-shRNA [TL306767C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL306767D] virus into HEK293 cells. [TL306767D] virus was prepared using lenti-shRNA [TL306767D] and [TR30037] packaging kit.