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 TL300641V

UPF2 Human shRNA Lentiviral Particle (Locus ID 26019)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	UPF2 Human shRNA Lentiviral Particle (Locus ID 26019)
Locus ID:	26019
Synonyms:	HUPF2; RENT2; smg-3
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	UPF2 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_015542, NM_080599, NM_080599.1, NM_080599.2, NM_015542.1, NM_015542.2, NM_015542.3, BC115737, BC054011, BC090919, BC114964, NM_015542.4
UniProt ID:	Q9HAU5
Summary:	This gene encodes a protein that is part of a post-splicing multiprotein complex involved in both mRNA nuclear export and mRNA surveillance. mRNA surveillance detects exported mRNAs with truncated open reading frames and initiates nonsense-mediated mRNA decay (NMD). When translation ends upstream from the last exon-exon junction, this triggers NMD to degrade mRNAs containing premature stop codons. This protein is located in the perinuclear area. It interacts with translation release factors and the proteins that are functional homologs of yeast Upf1p and Upf3p. Two splice variants have been found for this gene; both variants encode the same protein. [provided by RefSeq, Jul 2008]
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.

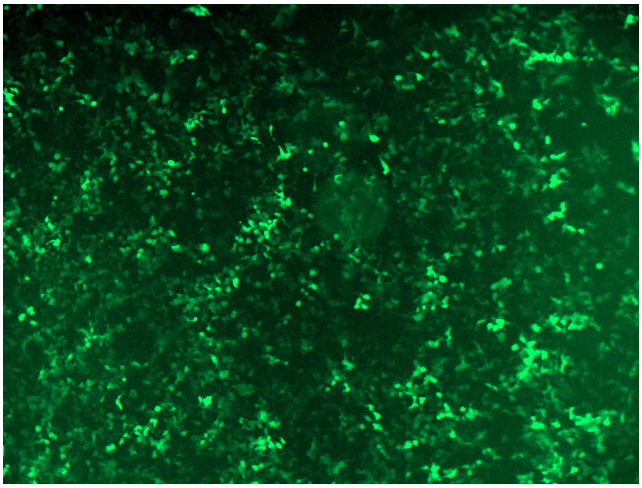
View online »

Performance Guaranteed:

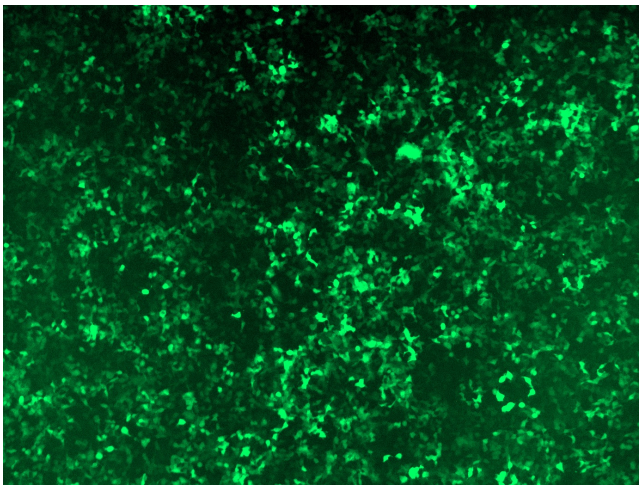
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved.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

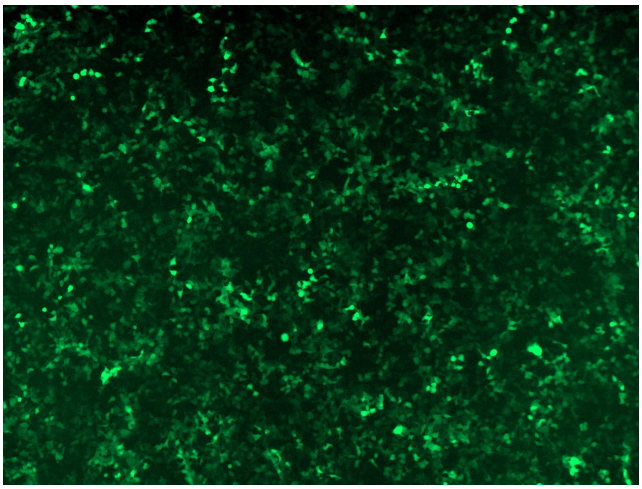
Product images:



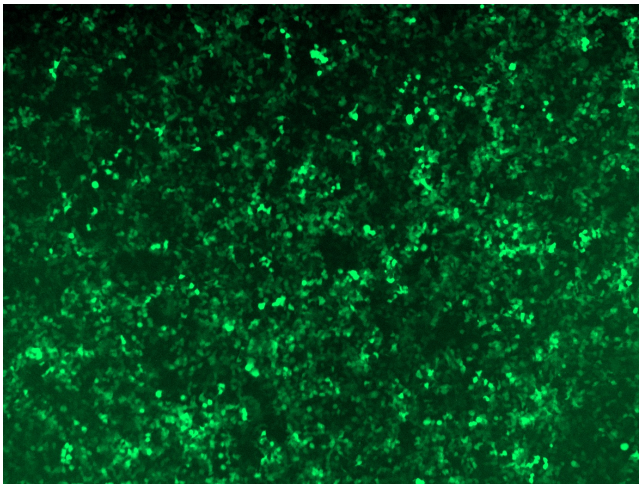
GFP signal was observed under microscope at 48 hours after transduction of TL300641A virus into HEK293 cells. TL300641A virus was prepared using lenti-shRNA TL300641A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL300641B virus into HEK293 cells. TL300641B virus was prepared using lenti-shRNA TL300641B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL300641C] virus into HEK293 cells. [TL300641C] virus was prepared using lenti-shRNA [TL300641C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL300641D] virus into HEK293 cells. [TL300641D] virus was prepared using lenti-shRNA [TL300641D] and [TR30037] packaging kit.