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Product datasheet for TL319881V

p57 Kip2 (CDKN1C) Human shRNA Lentiviral Particle (Locus ID 1028)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	p57 Kip2 (CDKN1C) Human shRNA Lentiviral Particle (Locus ID 1028)
Locus ID:	1028
Synonyms:	BWCR; BWS; KIP2; p57; p57Kip2; WBS
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	CDKN1C - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_000076, NM_001122630, NM_001122631, NM_000076.1, NM_000076.2, NM_001122630.1, NM_001122631.1, BC067842, BC067842.1, BC039188, BM673714, NM_001362474, NM_001362475, NM_001122631.2
UniProt ID:	P49918
Summary:	This gene is imprinted, with preferential expression of the maternal allele. The encoded protein is a tight-binding, strong inhibitor of several G1 cyclin/Cdk complexes and a negative regulator of cell proliferation. Mutations in this gene are implicated in sporadic cancers and Beckwith-Wiedemann syndorome, suggesting that this gene is a tumor suppressor candidate. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Oct 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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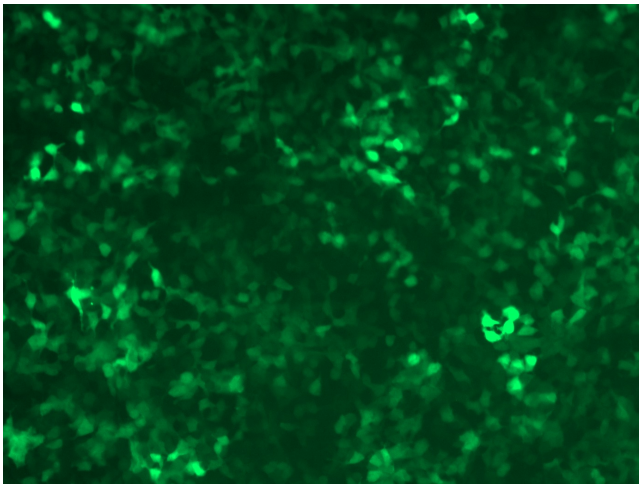
Performance Guaranteed:

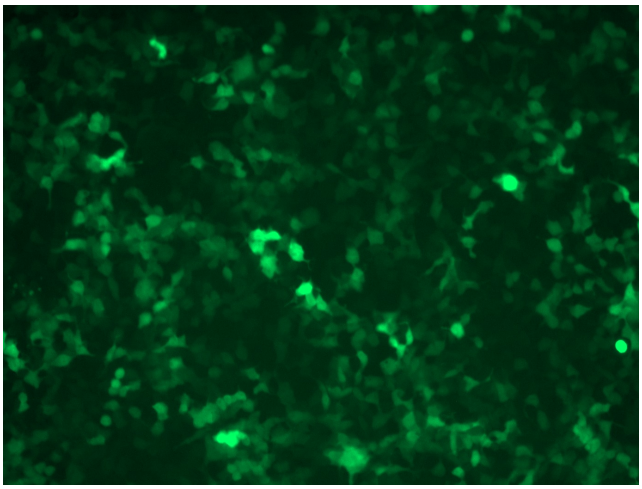
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved.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

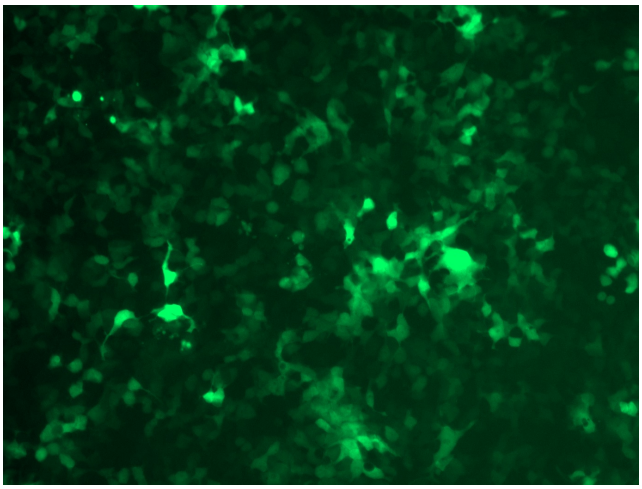
Product images:



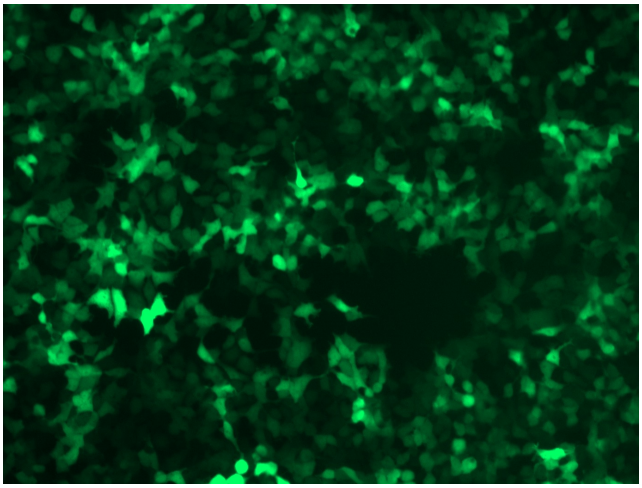
GFP signal was observed under microscope at 48 hours after transduction of TL319881A virus into HEK293 cells. TL319881A virus was prepared using lenti-shRNA TL319881A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL319881B virus into HEK293 cells. TL319881B virus was prepared using lenti-shRNA TL319881B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL319881C] virus into HEK293 cells. [TL319881C] virus was prepared using lenti-shRNA [TL319881C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL319881D] virus into HEK293 cells. [TL319881D] virus was prepared using lenti-shRNA [TL319881D] and [TR30037] packaging kit.