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Product datasheet for TL309525V

PAI1 (SERPINE1) Human shRNA Lentiviral Particle (Locus ID 5054)

Product data:

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Product Type:	shRNA Lentiviral Particles
Product Name:	PAI1 (SERPINE1) Human shRNA Lentiviral Particle (Locus ID 5054)
Locus ID:	5054
Synonyms:	PAI; PAI-1; PAI1; PLANH1
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	SERPINE1 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_000602, NM_001165413, NM_000602.1, NM_000602.2, NM_000602.3, NM_000602.4, NM_001165413.1, NM_001165413.2, BC010860, BC010860.1, BC005927, BC020765, NM_000602.5
UniProt ID:	P05121
Summary:	This gene encodes a member of the serine proteinase inhibitor (serpin) superfamily. This member is the principal inhibitor of tissue plasminogen activator (tPA) and urokinase (uPA), and hence is an inhibitor of fibrinolysis. The protein also functions as a component of innate antiviral immunity. Defects in this gene are the cause of plasminogen activator inhibitor-1 deficiency (PAI-1 deficiency), and high concentrations of the gene product are associated with thrombophilia. [provided by RefSeq, Aug 2020]
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.

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).
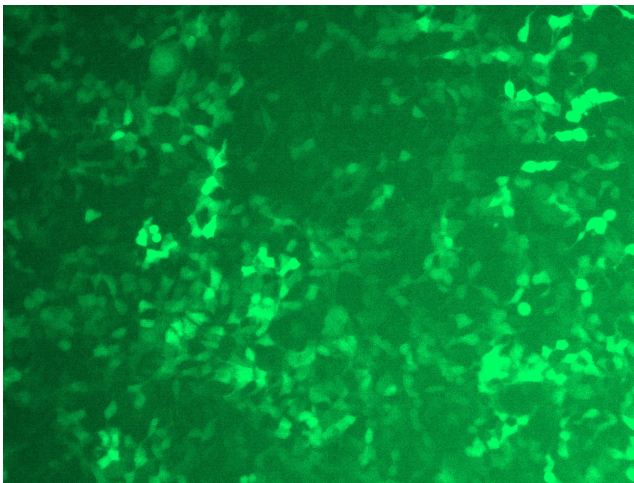
Product images:
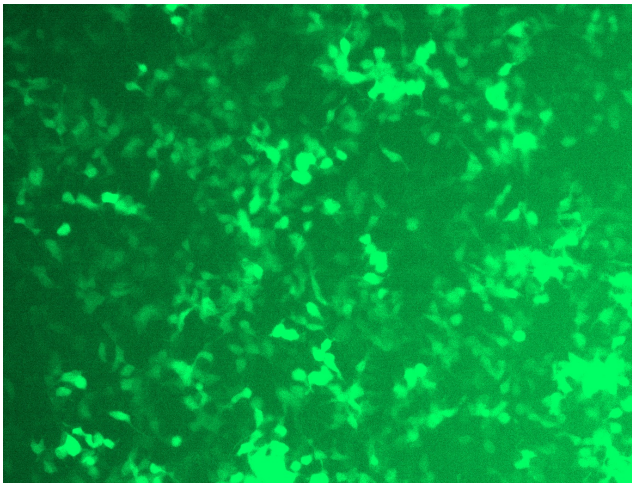
GFP signal was observed under microscope at 48 hours after transduction of TL309525A virus into HEK293 cells. TL309525A virus was prepared using lenti-shRNA TL309525A and [TR30037] packaging kit.
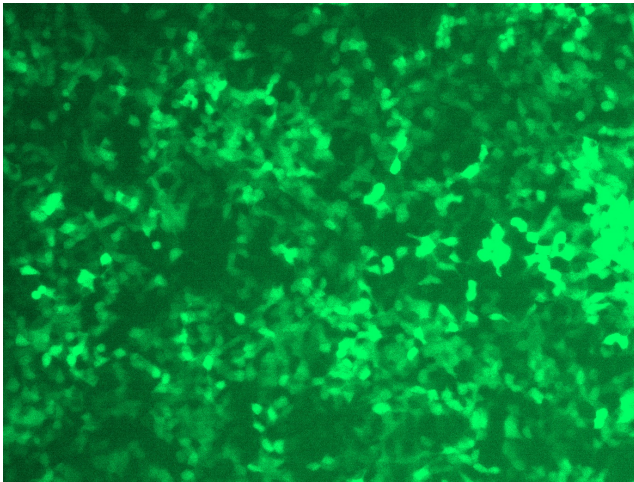
GFP signal was observed under microscope at 48 hours after transduction of TL309525B virus into HEK293 cells. TL309525B virus was prepared using lenti-shRNA TL309525B and [TR30037] packaging kit.
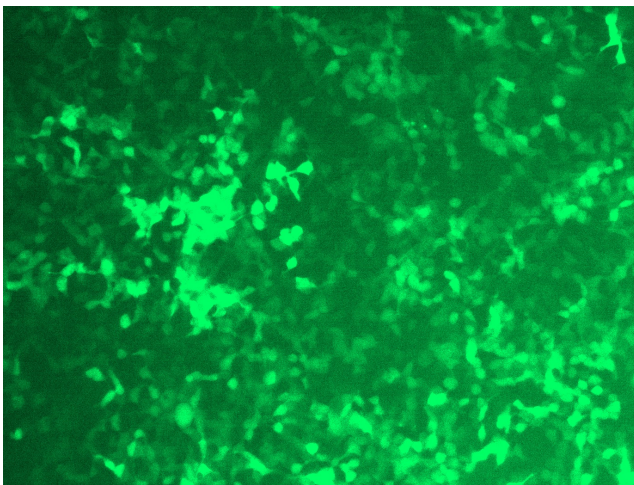
GFP signal was observed under microscope at 48 hours after transduction of [TL309525C] virus into HEK293 cells. [TL309525C] virus was prepared using lenti-shRNA [TL309525C] and [TR30037] packaging kit.

GFP signal was observed under microscope at 48 hours after transduction of [TL309525D] virus into HEK293 cells. [TL309525D] virus was prepared using lenti-shRNA [TL309525D] and [TR30037] packaging kit.