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Product datasheet for TL307426V

EPT1 (SELENOI) Human shRNA Lentiviral Particle (Locus ID 85465)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	EPT1 (SELENOI) Human shRNA Lentiviral Particle (Locus ID 85465)
Locus ID:	85465
Synonyms:	EPT1; SELI; SEPI; SPG81
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	EPT1 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_033505, NR_137633, NM_033505.1, NM_033505.2, NM_033505.3, BC015430, BC021229, NM_033505.4
UniProt ID:	Q9C0D9
Summary:	The multi-pass transmembrane protein encoded by this gene belongs to the CDP-alcohol phosphatidyltransferase class-I family. It catalyzes the transfer of phosphoethanolamine from CDP-ethanolamine to diacylglycerol to produce phosphatidylethanolamine, which is involved in the formation and maintenance of vesicular membranes, regulation of lipid metabolism, and protein folding. This protein is a selenoprotein, containing the rare selenocysteine (Sec) amino acid at its active site. Sec is encoded by the UGA codon, which normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, designated the Sec insertion sequence (SECIS) element, that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2016]
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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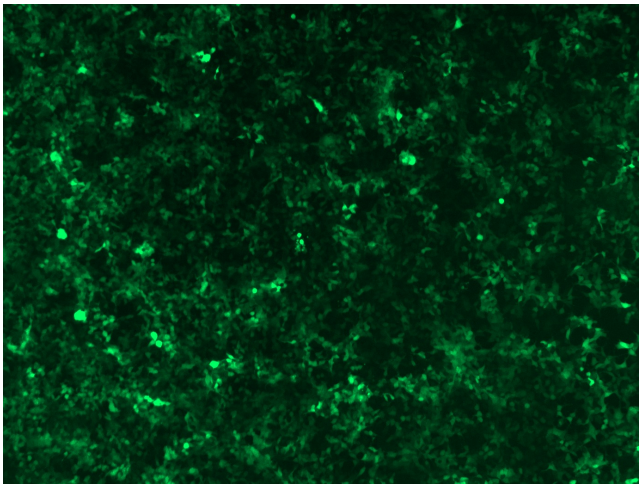
Performance Guaranteed:

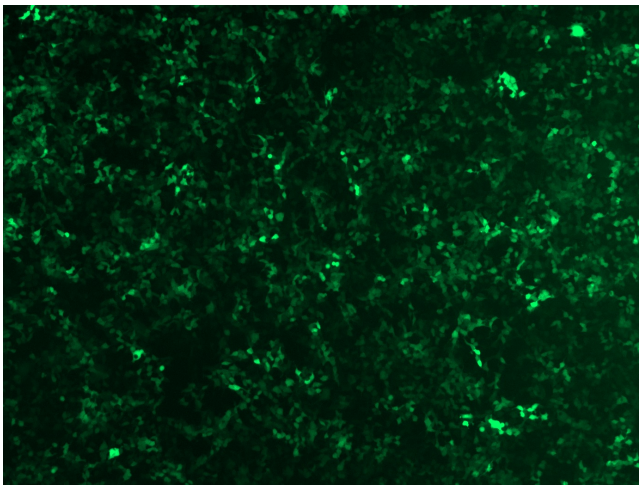
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved.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

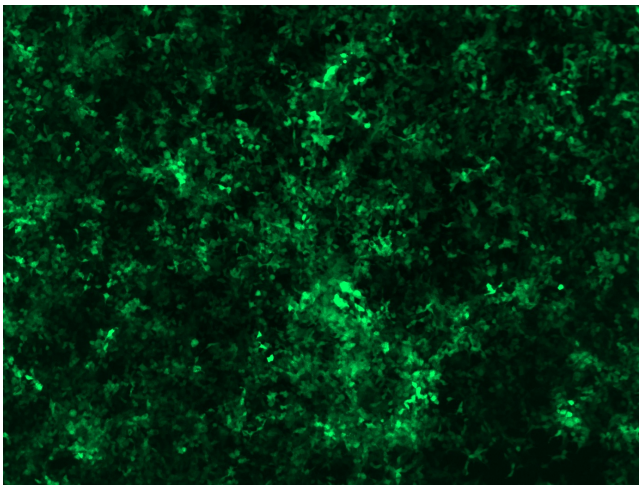
Product images:



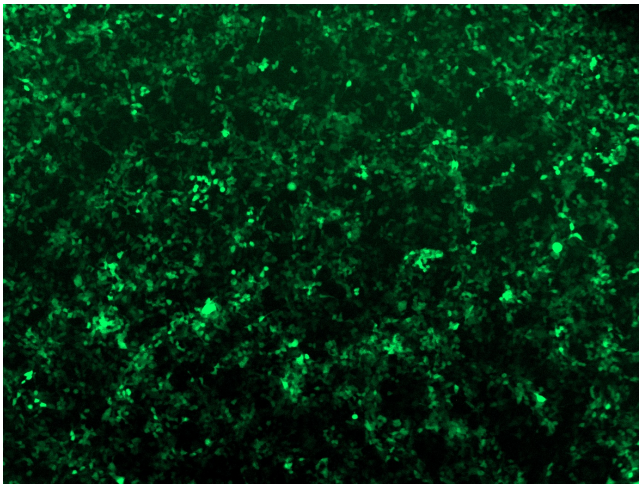
GFP signal was observed under microscope at 48 hours after transduction of TL307426A virus into HEK293 cells. TL307426A virus was prepared using lenti-shRNA TL307426A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL307426B virus into HEK293 cells. TL307426B virus was prepared using lenti-shRNA TL307426B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL307426C] virus into HEK293 cells. [TL307426C] virus was prepared using lenti-shRNA [TL307426C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL307426D] virus into HEK293 cells. [TL307426D] virus was prepared using lenti-shRNA [TL307426D] and [TR30037] packaging kit.