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Product datasheet for TL311213V

HEF1 (NEDD9) Human shRNA Lentiviral Particle (Locus ID 4739)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	HEF1 (NEDD9) Human shRNA Lentiviral Particle (Locus ID 4739)
Locus ID:	4739
Synonyms:	CAS-L; CAS2; CASL; CASS2; HEF1
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	NEDD9 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001142393, NM_001271033, NM_006403, NM_182966, NR_073131, NM_006403.1, NM_006403.2, NM_006403.3, NM_182966.1, NM_182966.2, NM_182966.3, NM_001142393.1, NM_001271033.1, BC040207, BC040207.1, BC020686, BC050740, NM_182966.4
UniProt ID:	Q14511
Summary:	The protein encoded by this gene is a member of the CRK-associated substrates family. Members of this family are adhesion docking molecules that mediate protein-protein interactions for signal transduction pathways. This protein is a focal adhesion protein that acts as a scaffold to regulate signaling complexes important in cell attachment, migration and invasion as well as apoptosis and the cell cycle. This protein has also been reported to have a role in cancer metastasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]
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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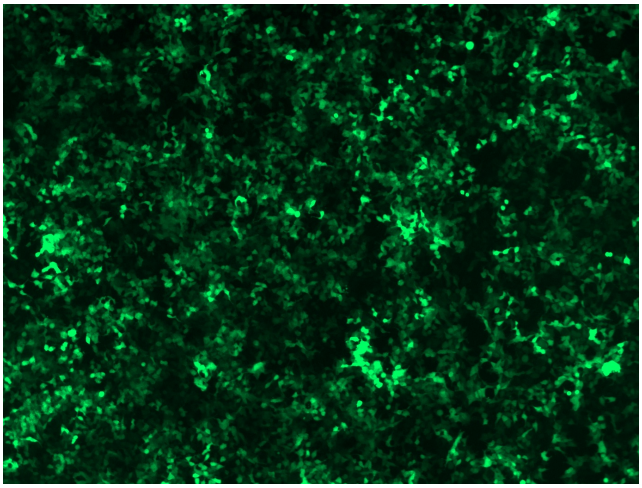
Performance Guaranteed:

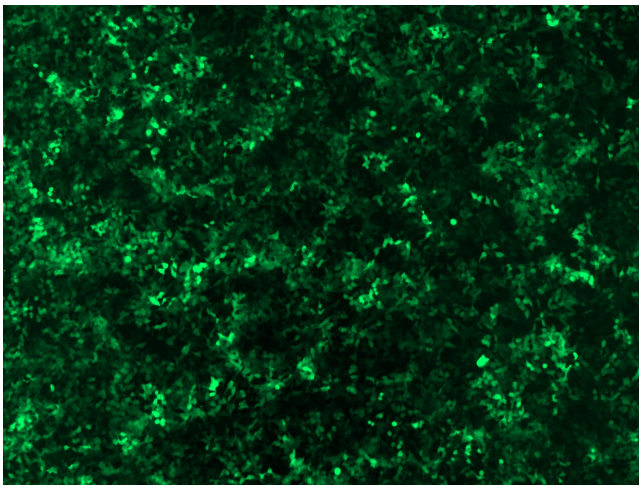
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved.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

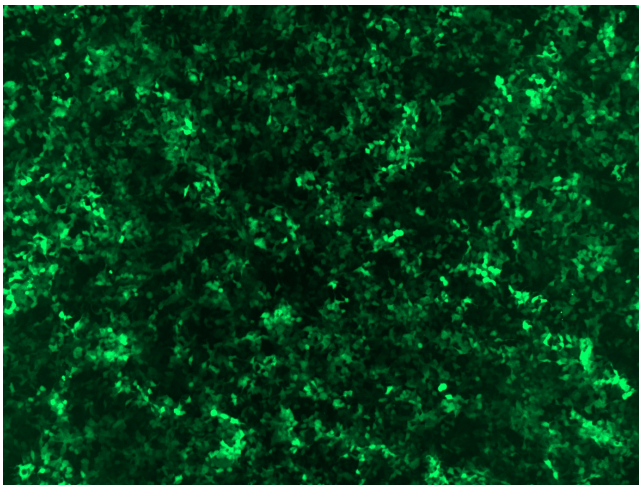
Product images:



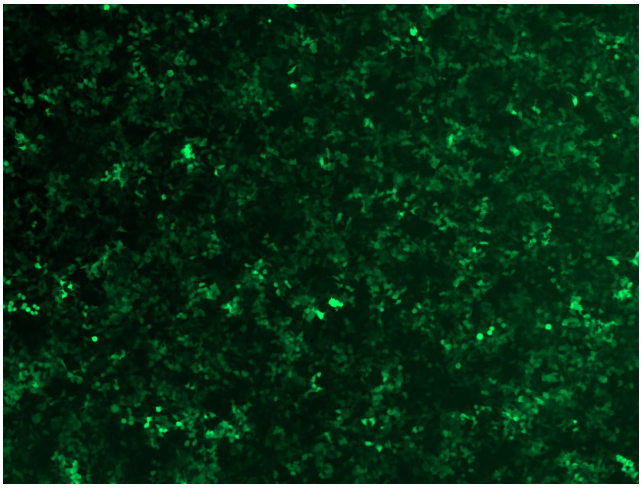
GFP signal was observed under microscope at 48 hours after transduction of TL311213A virus into HEK293 cells. TL311213A virus was prepared using lenti-shRNA TL311213A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL311213B virus into HEK293 cells. TL311213B virus was prepared using lenti-shRNA TL311213B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL311213C] virus into HEK293 cells. [TL311213C] virus was prepared using lenti-shRNA [TL311213C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL311213D] virus into HEK293 cells. [TL311213D] virus was prepared using lenti-shRNA [TL311213D] and [TR30037] packaging kit.