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Product datasheet for TL304142V

HDAC9 Human shRNA Lentiviral Particle (Locus ID 9734)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	HDAC9 Human shRNA Lentiviral Particle (Locus ID 9734)
Locus ID:	9734
Synonyms:	HD7; HD7b; HD9; HDAC; HDAC7; HDAC7B; HDAC9B; HDAC9FL; HDRP; MITR
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	HDAC9 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001204144, NM_001204145, NM_001204146, NM_001204147, NM_001204148, NM_001321868, NM_001321869, NM_001321870, NM_001321871, NM_001321872, NM_001321873, NM_001321874, NM_001321875, NM_001321876, NM_001321877, NM_001321878, NM_001321879, NM_001321884, NM_001321885, NM_001321886, NM_001321887, NM_001321888, NM_001321889, NM_001321890, NM_001321893, NM_001321894, NM_001321895, NM_001321896, NM_001321897, NM_001321898, NM_001321899, NM_001321900, NM_001321901, NM_001321902, NM_014707, NM_058176, NM_058177, NM_178423, NM_178425, NR_135835, NM_001321891, NM_178425.1, NM_178425.2, NM_178425.3, NM_014707.1, NM_014707.2, NM_178423.1, NM_178423.2, NM_058176.1, NM_058176.2, NM_001204147.1, NM_001204147.2, NM_001204145.1, NM_001204145.2, NM_001204146.1, NM_001204146.2, NM_001204148.1, NM_001204148.2, NM_001204144.1, NM_001204144.2, NM_058177.1, BC092441, BC111735, BC150328, BC152405, NM_001204145.3, NM_001204148.3, NM_178423.3, NM_001204147.3, NM_001204144.3, NM_014707.4
UniProt ID:	Q9UKV0

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Summary:

Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene is orthologous to the Xenopus and mouse MITR genes. The MITR protein lacks the histone deacetylase catalytic domain. It represses MEF2 activity through recruitment of multicomponent corepressor complexes that include CtBP and HDACs. This encoded protein may play a role in hematopoiesis. Multiple alternatively spliced transcripts have been described for this gene but the full-length nature of some of them has not been determined. [provided by RefSeq, Jul 2008]

shRNA Design:

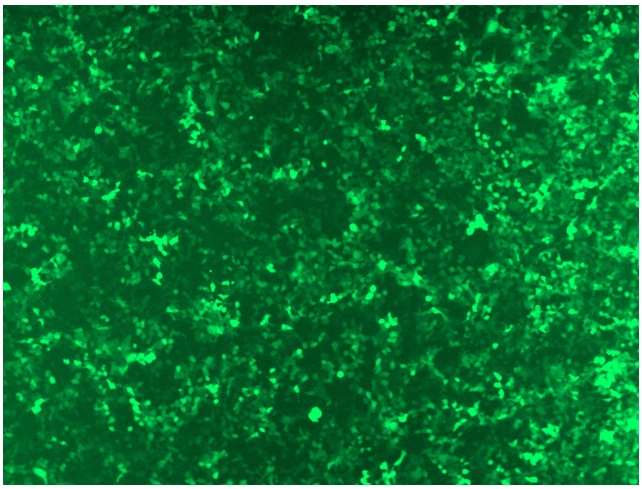
These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.

Performance Guaranteed:

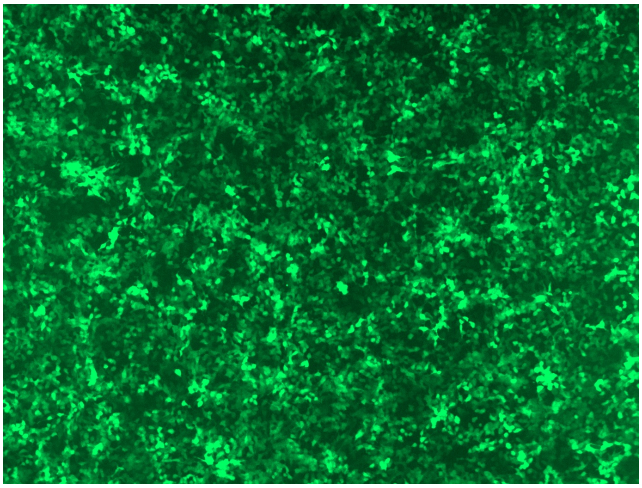
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved.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

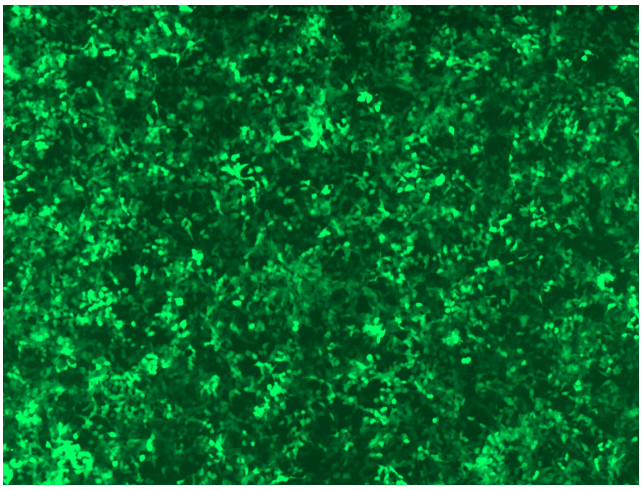
Product images:



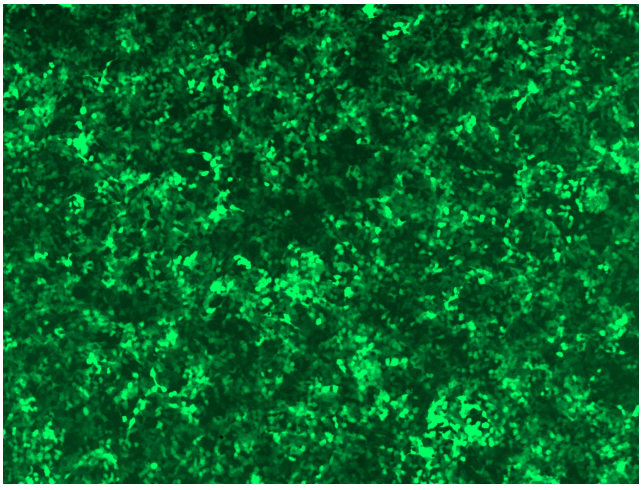
GFP signal was observed under microscope at 48 hours after transduction of TL304142A virus into HEK293 cells. TL304142A virus was prepared using lenti-shRNA TL304142A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL304142B virus into HEK293 cells. TL304142B virus was prepared using lenti-shRNA TL304142B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL304142C] virus into HEK293 cells. [TL304142C] virus was prepared using lenti-shRNA [TL304142C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL304142D] virus into HEK293 cells. [TL304142D] virus was prepared using lenti-shRNA [TL304142D] and [TR30037] packaging kit.