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Product datasheet for TL309405V

Monocarboxylic acid transporter 1 (SLC16A1) Human shRNA Lentiviral Particle (Locus ID 6566)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Monocarboxylic acid transporter 1 (SLC16A1) Human shRNA Lentiviral Particle (Locus ID 6566)
Locus ID:	6566
Synonyms:	HHF7; MCT; MCT1; MCT1D
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	SLC16A1 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001166496, NM_003051, NM_003051.1, NM_003051.2, NM_003051.3, NM_001166496.1, BC026317, BC026317.1, BC045664, BM712667, NM_003051.4
UniProt ID:	P53985
Summary:	The protein encoded by this gene is a proton-linked monocarboxylate transporter that catalyzes the movement of many monocarboxylates, such as lactate and pyruvate, across the plasma membrane. Mutations in this gene are associated with erythrocyte lactate transporter defect. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Oct 2009]
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.

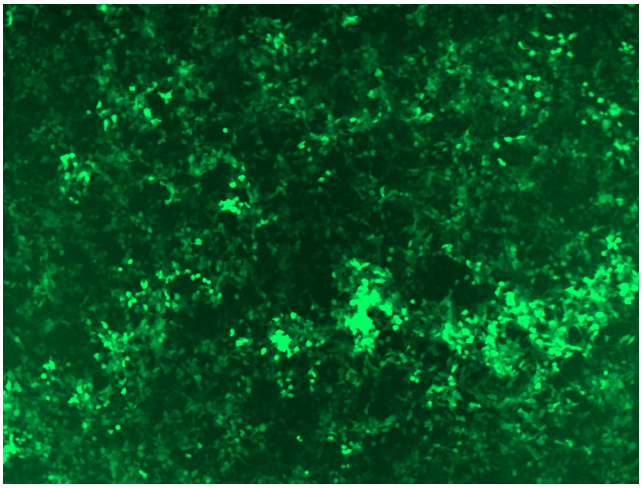
View online »

Performance Guaranteed:

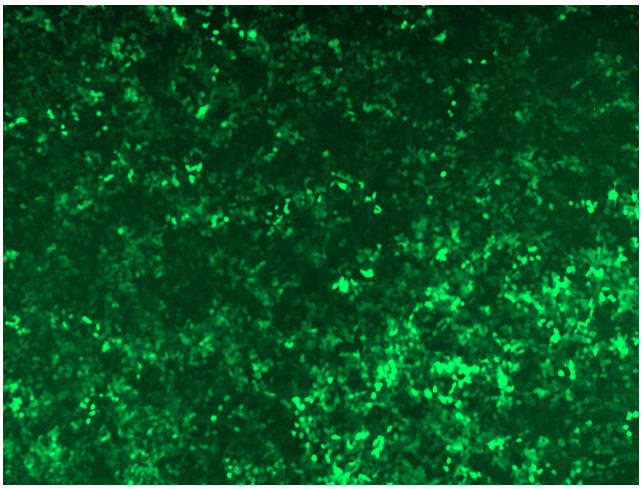
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved.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

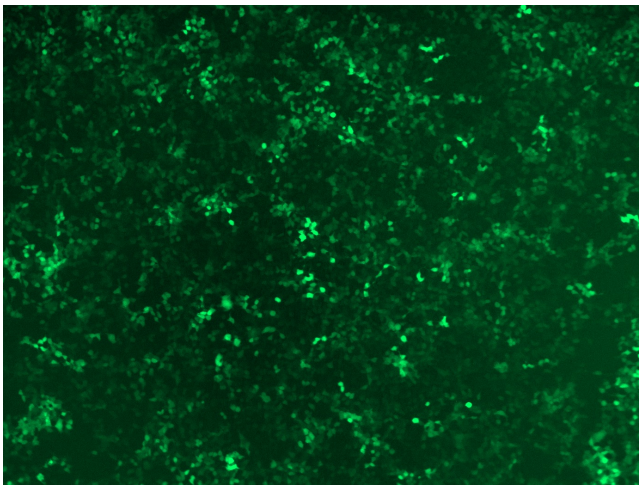
Product images:



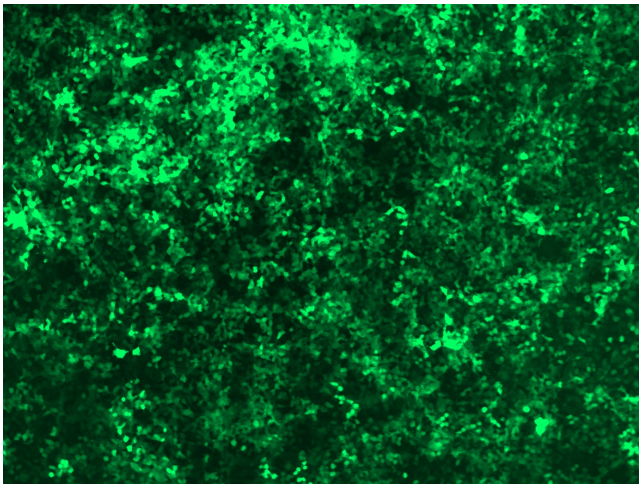
GFP signal was observed under microscope at 48 hours after transduction of TL309405A virus into HEK293 cells. TL309405A virus was prepared using lenti-shRNA TL309405A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL309405B virus into HEK293 cells. TL309405B virus was prepared using lenti-shRNA TL309405B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL309405C] virus into HEK293 cells. [TL309405C] virus was prepared using lenti-shRNA [TL309405C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL309405D] virus into HEK293 cells. [TL309405D] virus was prepared using lenti-shRNA [TL309405D] and [TR30037] packaging kit.