Product datasheet for TL311034V

OFD1 Human shRNA Lentiviral Particle (Locus ID 8481)

Product data:

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Product Type:	shRNA Lentiviral Particles
Product Name:	OFD1 Human shRNA Lentiviral Particle (Locus ID 8481)
Locus ID:	8481
Synonyms:	71-7A; CXorf5; JBTS10; RP23; SGBS2
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	OFD1 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_003611, NM_001330209, NM_001330210, NM_003611.1, NM_003611.2, BC012324, BC030787, BC042830, BC052809, BC062432, BC092448, BC096344, BC096345, BC099658, BC099659, NM_003611.3
UniProt ID:	O75665
Summary:	This gene is located on the X chromosome and encodes a centrosomal protein. A knockout mouse model has been used to study the effect of mutations in this gene. The mouse gene is also located on the X chromosome, however, unlike the human gene it is not subject to X inactivation. Mutations in this gene are associated with oral-facial-digital syndrome type I and Simpson-Golabi-Behmel syndrome type 2. Many pseudogenes have been identified; a single pseudogene is found on chromosome 5 while as many as fifteen have been found on the Y chromosome. [provided by RefSeq, Aug 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.

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:
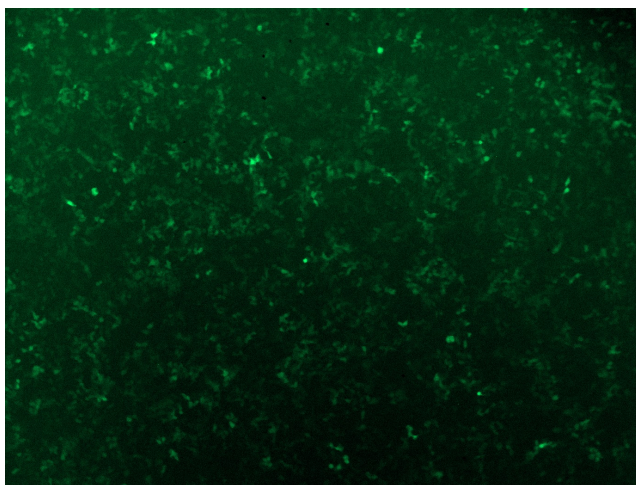
GFP signal was observed under microscope at 48 hours after transduction of TL311034A virus into HEK293 cells. TL311034A virus was prepared using lenti-shRNA TL311034A and [TR30037] packaging kit.
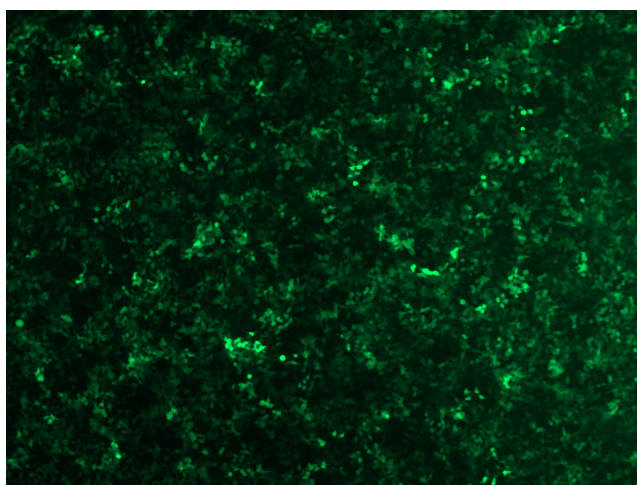
GFP signal was observed under microscope at 48 hours after transduction of TL311034B virus into HEK293 cells. TL311034B virus was prepared using lenti-shRNA TL311034B and [TR30037] packaging kit.