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Product datasheet for TL313664V

beta Catenin (CTNNB1) Human shRNA Lentiviral Particle (Locus ID 1499)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	beta Catenin (CTNNB1) Human shRNA Lentiviral Particle (Locus ID 1499)
Locus ID:	1499
Synonyms:	armadillo; CTNNB; EVR7; MRD19; NEDSDV
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	CTNNB1 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001098209, NM_001098210, NM_001904, NM_001330729, NM_001904.1, NM_001904.2, NM_001904.3, NM_001098209.1, NM_001098210.1, BC058926, BC058926.1, NM_001098210.2, NM_001098209.2, NM_001904.4
UniProt ID:	P35222
Summary:	The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in this gene are a cause of colorectal cancer (CRC), pilomatrixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants. [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.

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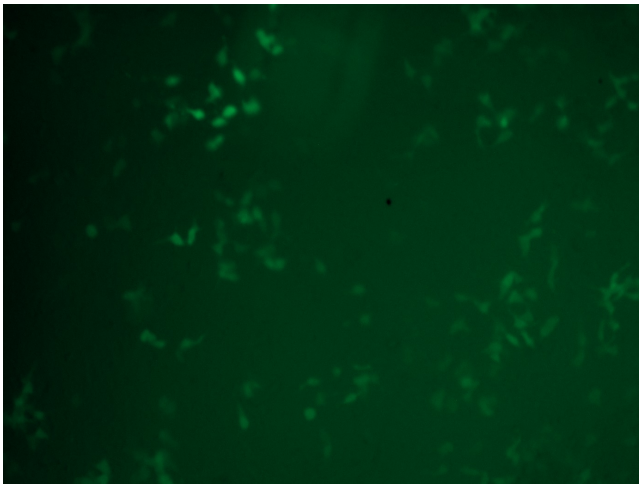
Performance Guaranteed:

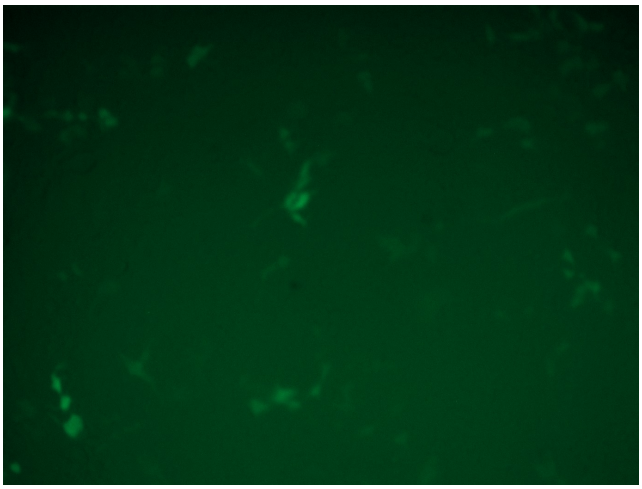
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved.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

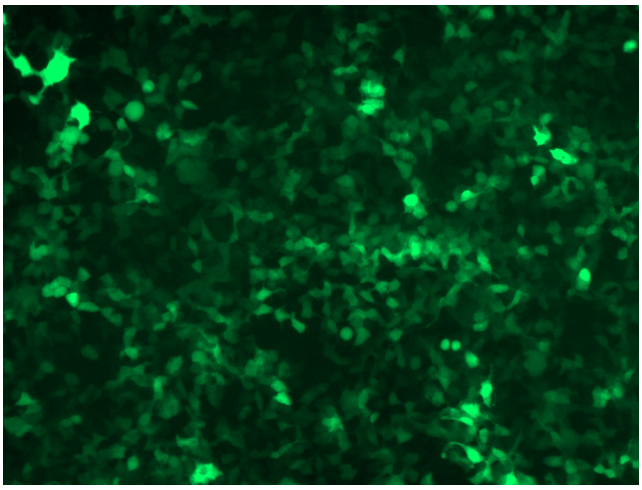
Product images:



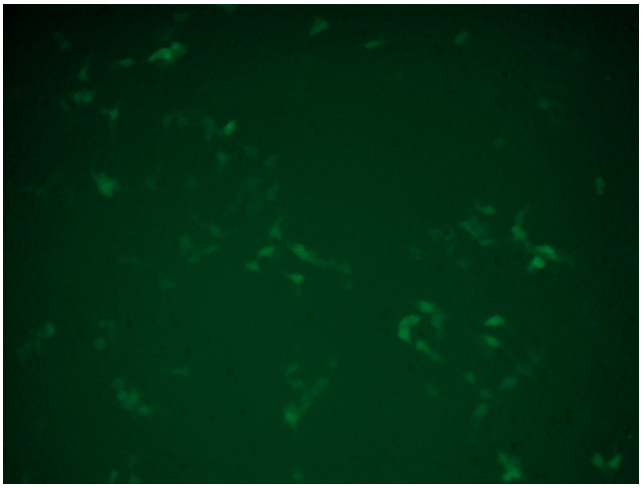
GFP signal was observed under microscope at 48 hours after transduction of TL313664A virus into HEK293 cells. TL313664A virus was prepared using lenti-shRNA TL313664A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL313664B virus into HEK293 cells. TL313664B virus was prepared using lenti-shRNA TL313664B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL313664C] virus into HEK293 cells. [TL313664C] virus was prepared using lenti-shRNA [TL313664C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL313664D] virus into HEK293 cells. [TL313664D] virus was prepared using lenti-shRNA [TL313664D] and [TR30037] packaging kit.