

Product datasheet for **TL311682V**

LRP1 Human shRNA Lentiviral Particle (Locus ID 4035)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	LRP1 Human shRNA Lentiviral Particle (Locus ID 4035)
Locus ID:	4035
Synonyms:	A2MR; APOER; APR; CD91; IGFBP-3R; IGFBP3R; IGFBP3R1; KPA; LRP; LRP1A; TGFBR5
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	LRP1 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10 ⁷ TU/ml.
RefSeq:	NM_002332 , NM_002332.1 , NM_002332.2 , BC021204 , BC045107 , BC052593 , BC072015 , NM_002332.3
UniProt ID:	Q07954
Summary:	This gene encodes a member of the low-density lipoprotein receptor family of proteins. The encoded preproprotein is proteolytically processed by furin to generate 515 kDa and 85 kDa subunits that form the mature receptor (PMID: 8546712). This receptor is involved in several cellular processes, including intracellular signaling, lipid homeostasis, and clearance of apoptotic cells. In addition, the encoded protein is necessary for the alpha 2-macroglobulin-mediated clearance of secreted amyloid precursor protein and beta-amyloid, the main component of amyloid plaques found in Alzheimer patients. Expression of this gene decreases with age and has been found to be lower than controls in brain tissue from Alzheimer's disease patients. [provided by RefSeq, Oct 2015]
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 .

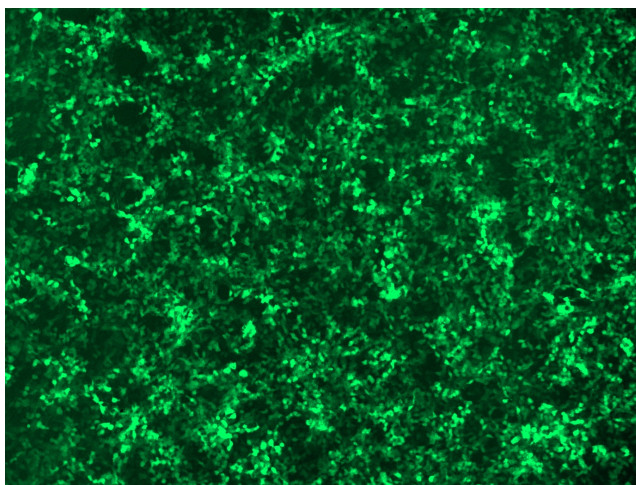


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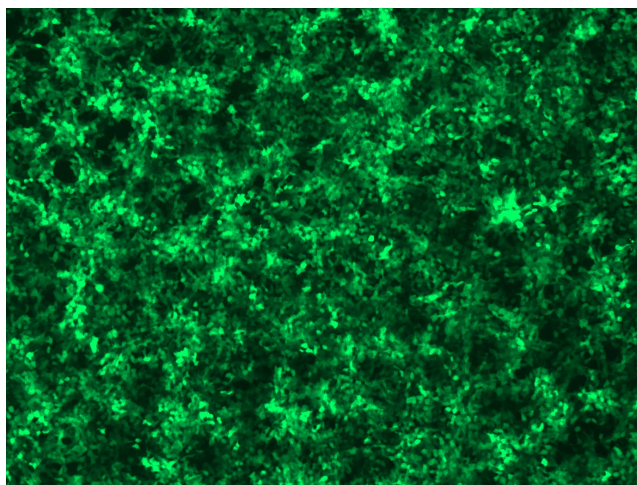
**Performance
Guaranteed:**

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.

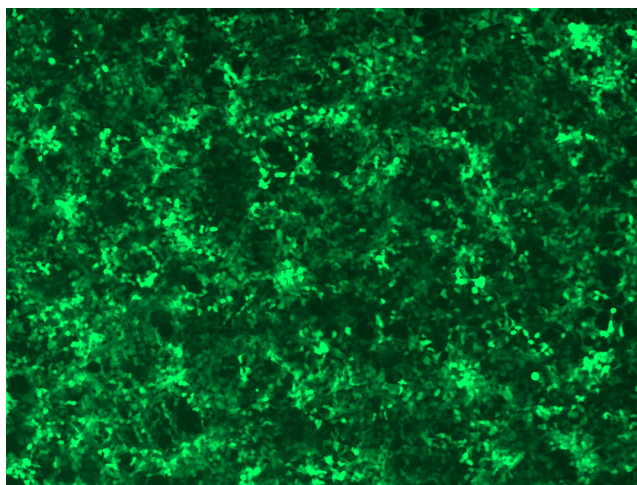
For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating 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 TL311682A virus into HEK293 cells. TL311682A virus was prepared using lenti-shRNA TL311682A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL311682B virus into HEK293 cells. TL311682B virus was prepared using lenti-shRNA TL311682B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL311682D] virus into HEK293 cells. [TL311682D] virus was prepared using lenti-shRNA [TL311682D] and [TR30037] packaging kit.