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Product datasheet for TL306771

AKR1B10 Human shRNA Plasmid Kit (Locus ID 57016)

Product data:

Product Type:	shRNA Plasmids
Product Name:	AKR1B10 Human shRNA Plasmid Kit (Locus ID 57016)
Locus ID:	57016
Synonyms:	AKR1B11; AKR1B12; ALDRLn; ARL-1; ARL1; HIS; HSI
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	AKR1B10 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 57016). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_020299, NM_020299.1, NM_020299.2, NM_020299.3, NM_020299.4, BC008837, BC008837.2, BM975664
UniProt ID:	O60218
Summary:	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member can efficiently reduce aliphatic and aromatic aldehydes, and it is less active on hexoses. It is highly expressed in adrenal gland, small intestine, and colon, and may play an important role in liver carcinogenesis. [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.

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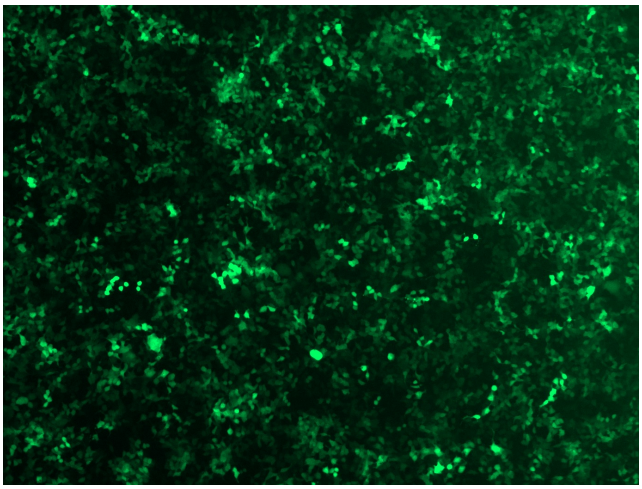
Performance Guaranteed:

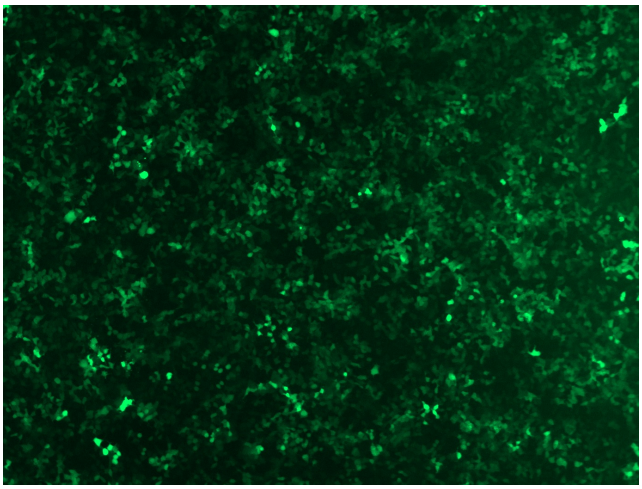
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved.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

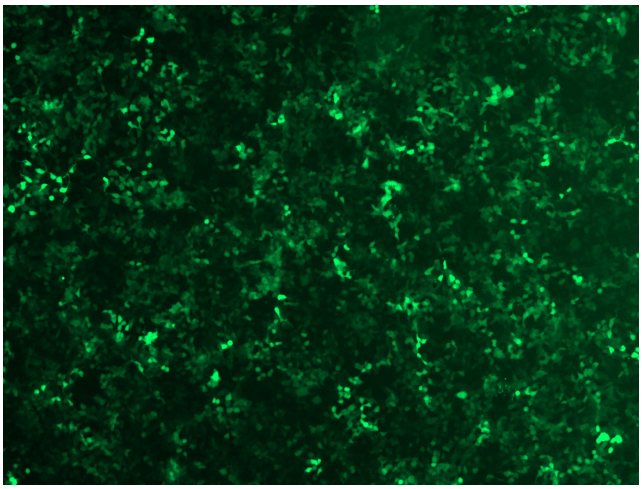
Product images:



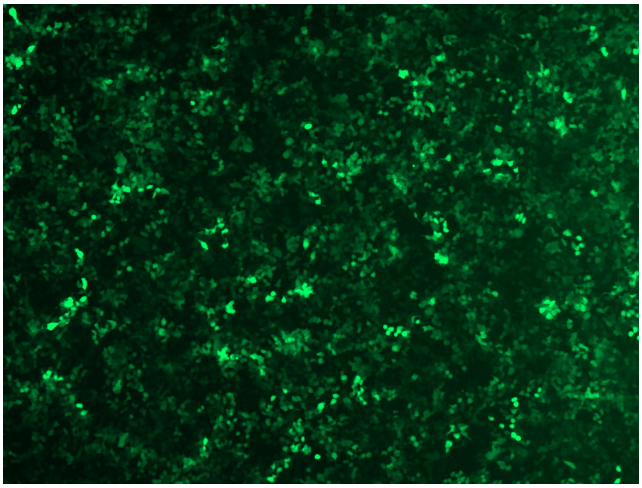
GFP signal was observed under microscope at 48 hours after transduction of TL306771A virus into HEK293 cells. TL306771A virus was prepared using lenti-shRNA TL306771A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL306771B virus into HEK293 cells. TL306771B virus was prepared using lenti-shRNA TL306771B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL306771C] virus into HEK293 cells. [TL306771C] virus was prepared using lenti-shRNA [TL306771C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL306771D] virus into HEK293 cells. [TL306771D] virus was prepared using lenti-shRNA [TL306771D] and [TR30037] packaging kit.