

Product datasheet for **TL306699**

ANKRD15 (KANK1) Human shRNA Plasmid Kit (Locus ID 23189)

Product data:

Product Type:	shRNA Plasmids
Product Name:	ANKRD15 (KANK1) Human shRNA Plasmid Kit (Locus ID 23189)
Locus ID:	23189
Synonyms:	ANKRD15; CPSQ2; KANK
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	KANK1 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 23189). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001256876 , NM_001256877 , NM_015158 , NM_153186 , NM_001354331 , NM_001354332 , NM_001354333 , NM_001354334 , NM_001354335 , NM_001354336 , NM_001354337 , NM_001354338 , NM_001354339 , NM_001354340 , NM_001354341 , NM_001354342 , NM_001354343 , NM_001354344 , NR_148869 , NM_153186.1 , NM_153186.2 , NM_153186.3 , NM_153186.4 , NM_015158.1 , NM_015158.2 , NM_015158.3 , NM_001256876.1 , NM_001256877.1 , BC038116 , BC038116.2 , BC037495 , BC037495.2 , BC020040 , NM_001256876.2 , NM_001256877.2 , NM_153186.5 , NM_015158.5
UniProt ID:	Q14678
Summary:	The protein encoded by this gene belongs to the Kank family of proteins, which contain multiple ankyrin repeat domains. This family member functions in cytoskeleton formation by regulating actin polymerization. This gene is a candidate tumor suppressor for renal cell carcinoma. Mutations in this gene cause cerebral palsy spastic quadriplegic type 2, a central nervous system development disorder. A t(5;9) translocation results in fusion of the platelet-derived growth factor receptor beta gene (PDGFRB) on chromosome 5 with this gene in a myeloproliferative neoplasm featuring severe thrombocytopenia. Alternative splicing of this gene results in multiple transcript variants. A related pseudogene has been identified on chromosome 20. [provided by RefSeq, Dec 2014]



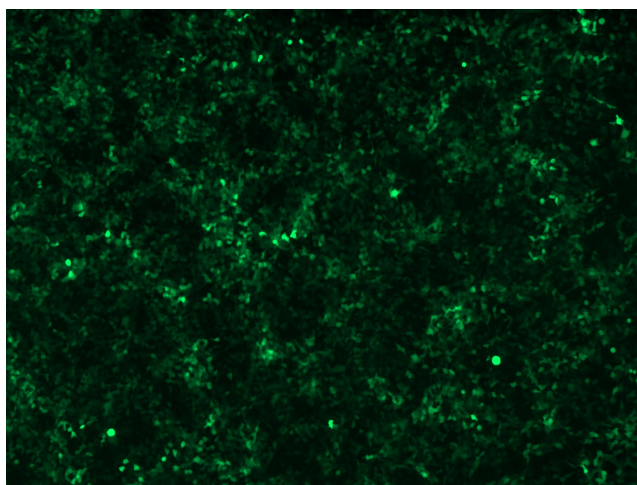
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shRNA Design: These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our [custom shRNA service](#).

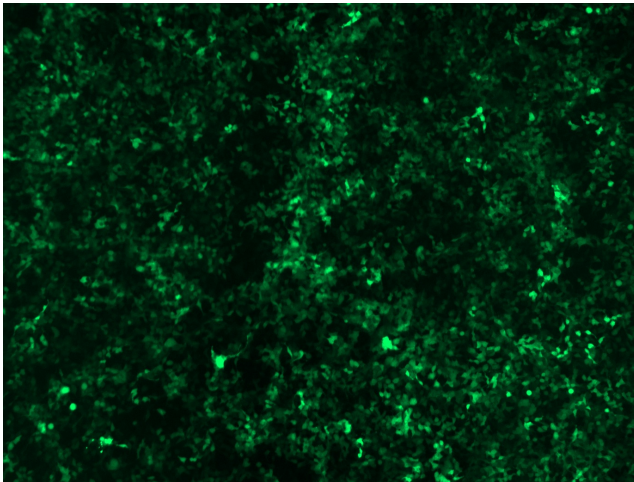
Performance Guaranteed: OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency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

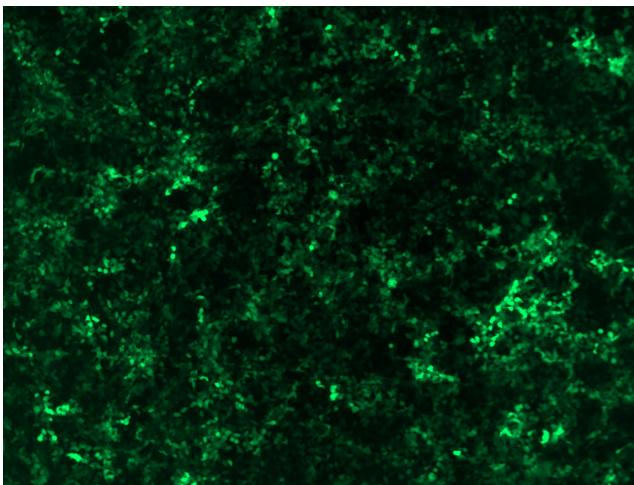
Product images:



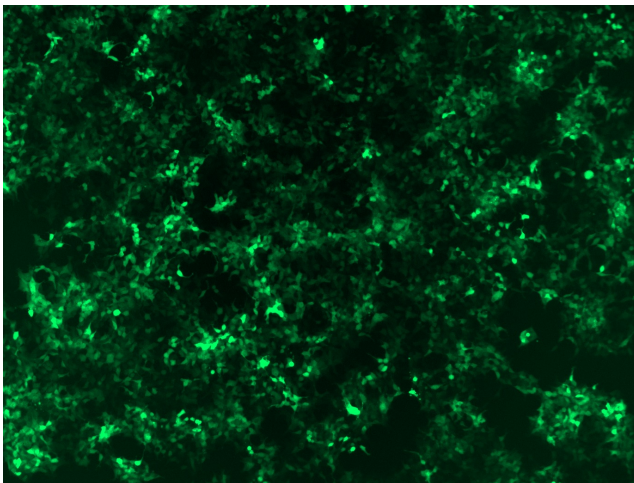
GFP signal was observed under microscope at 48 hours after transduction of TL306699A virus into HEK293 cells. TL306699A virus was prepared using lenti-shRNA TL306699A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL306699B virus into HEK293 cells. TL306699B virus was prepared using lenti-shRNA TL306699B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL306699C] virus into HEK293 cells. [TL306699C] virus was prepared using lenti-shRNA [TL306699C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL306699D] virus into HEK293 cells. [TL306699D] virus was prepared using lenti-shRNA [TL306699D] and [TR30037] packaging kit.