

Product datasheet for **TL512864**

Adnp Mouse shRNA Plasmid (Locus ID 11538)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Adnp Mouse shRNA Plasmid (Locus ID 11538)
Locus ID:	11538
Synonyms:	AA589558; mKIAA0784
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	Adnp - Mouse, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 11538). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001310086 , NM_001310088 , NM_009628 , NM_009628.1 , NM_009628.2 , NM_009628.3 , BC050833 , BC057666 , BC090840 , BC167195
UniProt ID:	Q9Z103
Summary:	This gene encodes a member of a protein family characterized by nine zinc finger motifs followed by a homeobox domain. In vitro studies demonstrate that the encoded protein interacts with the brahma-related gene1-associated or hBRM factors (BAF) gene expression regulating complex, components of the protein translation machinery, and microtubule-associated proteins. This gene has been implicated in neuroprotection through various processes that include chromatin remodeling, splicing, cytoskeletal reorganization, and autophagy. Homozygous mutant knockout mice display embryonic lethality with defects in neural tube closure. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 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 .

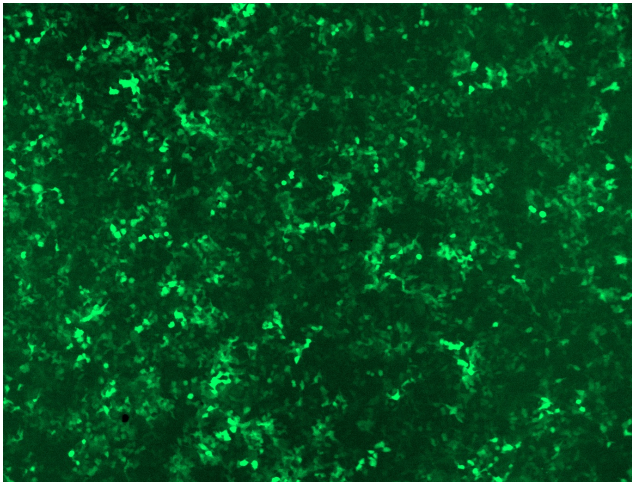


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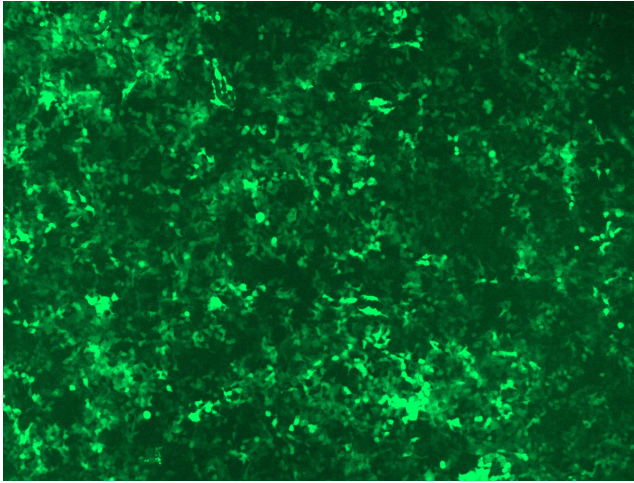
**Performance
Guaranteed:**

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.

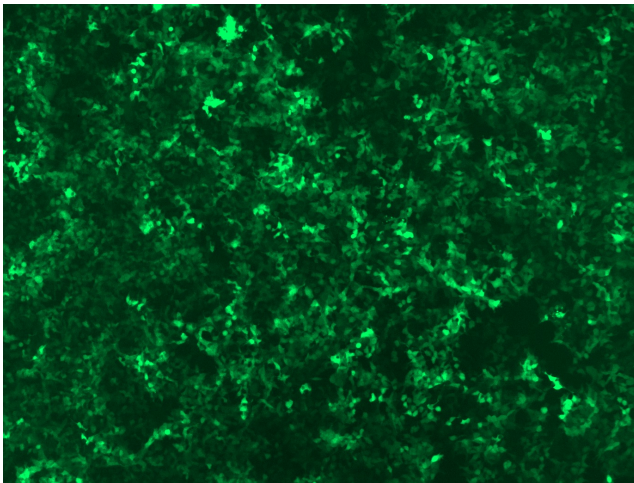
For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).

Product images:

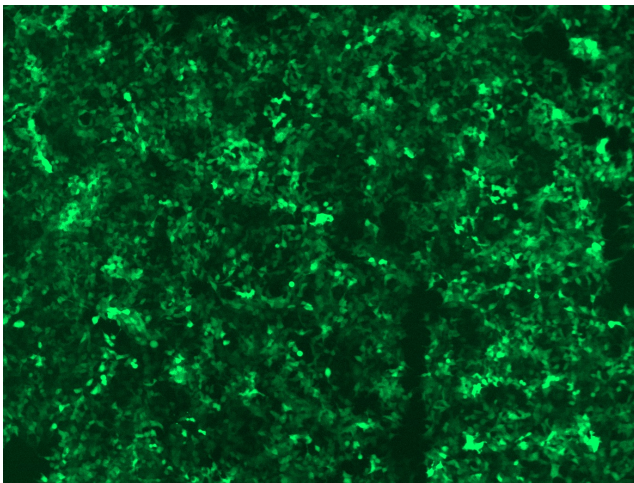
GFP signal was observed under microscope at 48 hours after transduction of TL512864A virus into HEK293 cells. TL512864A virus was prepared using lenti-shRNA TL512864A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL512864B virus into HEK293 cells. TL512864B virus was prepared using lenti-shRNA TL512864B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL512864C] virus into HEK293 cells. [TL512864C] virus was prepared using lenti-shRNA [TL512864C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL512864D] virus into HEK293 cells. [TL512864D] virus was prepared using lenti-shRNA [TL512864D] and [TR30037] packaging kit.