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Product datasheet for TL501388V

Mapt Mouse shRNA Lentiviral Particle (Locus ID 17762)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Mapt Mouse shRNA Lentiviral Particle (Locus ID 17762)
Locus ID:	17762
Synonyms:	AI413597; AW045860; Mtapt; Tau
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Mapt - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	BC014748, NM_001038609, NM_001285454, NM_001285455, NM_001285456, NM_010838, NM_010838.1, NM_010838.2, NM_010838.3, NM_010838.4, NM_001038609.1, NM_001038609.2, NM_001285456.1, NM_001285455.1, NM_001285454.1, BM950831
UniProt ID:	P10637
Summary:	Promotes microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. The C-terminus binds axonal microtubules while the N-terminus binds neural plasma membrane components, suggesting that tau functions as a linker protein between both. Axonal polarity is predetermined by tau localization (in the neuronal cell) in the domain of the cell body defined by the centrosome. The short isoforms allow plasticity of the cytoskeleton whereas the longer isoforms may preferentially play a role in its stabilization.[UniProtKB/Swiss-Prot Function]
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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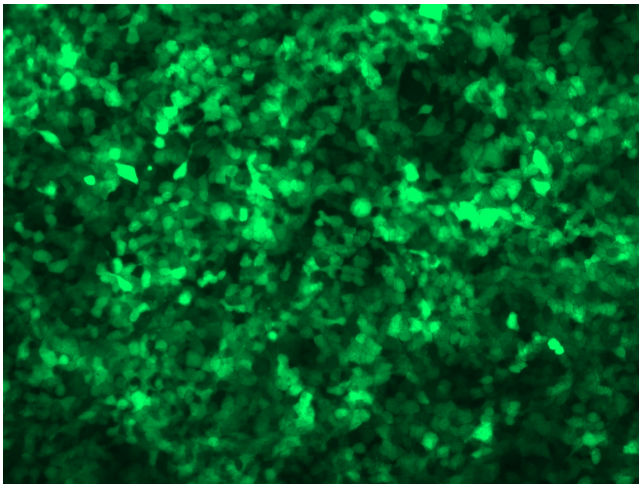
Performance Guaranteed:

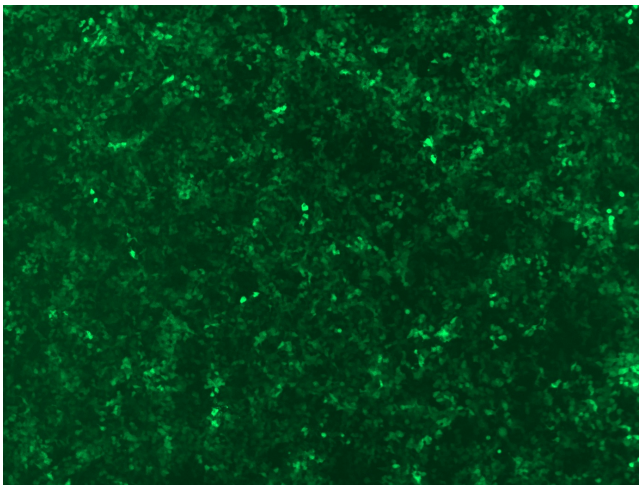
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved.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

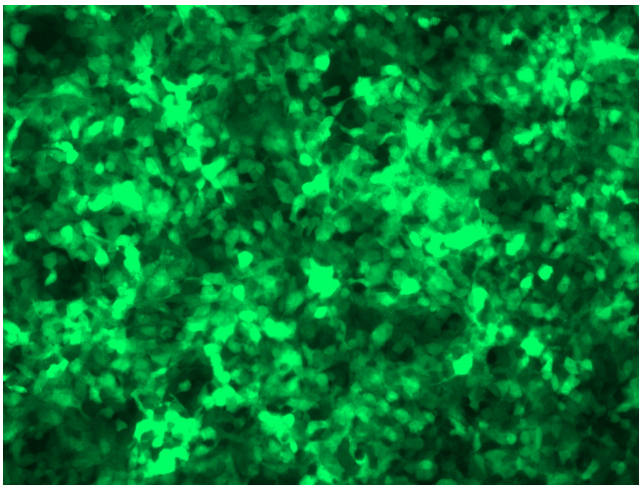
Product images:



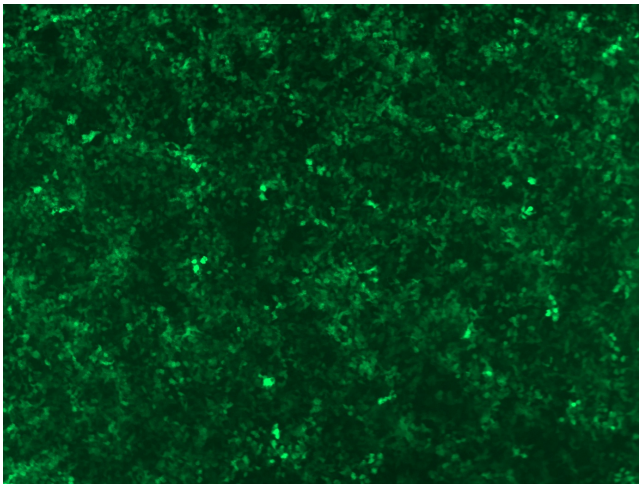
GFP signal was observed under microscope at 48 hours after transduction of TL501388A virus into HEK293 cells. TL501388A virus was prepared using lenti-shRNA TL501388A and [TR30037] packaging kit.



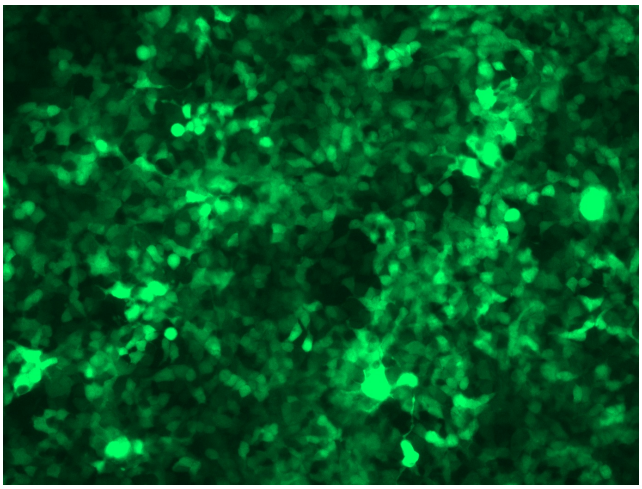
GFP signal was observed under microscope at 48 hours after transduction of TL501388A virus into HEK293 cells. TL501388A virus was prepared using lenti-shRNA TL501388A and [TR30037] packaging kit.



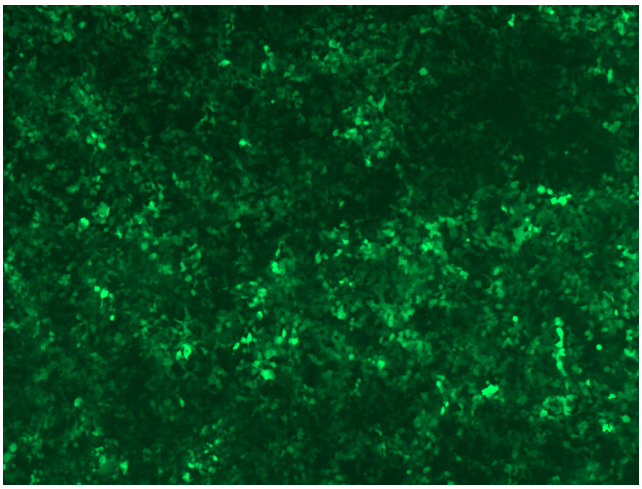
GFP signal was observed under microscope at 48 hours after transduction of TL501388B virus into HEK293 cells. TL501388B virus was prepared using lenti-shRNA TL501388B and [TR30037] packaging kit.



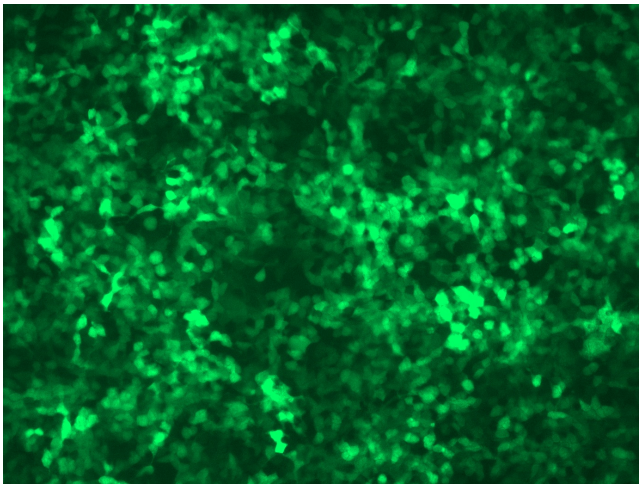
GFP signal was observed under microscope at 48 hours after transduction of TL501388B virus into HEK293 cells. TL501388B virus was prepared using lenti-shRNA TL501388B and [TR30037] packaging kit.



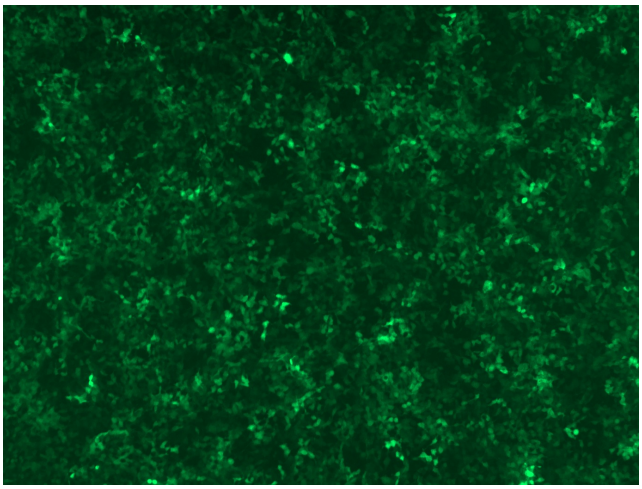
GFP signal was observed under microscope at 48 hours after transduction of [TL501388C] virus into HEK293 cells. [TL501388C] virus was prepared using lenti-shRNA [TL501388C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL501388C] virus into HEK293 cells. [TL501388C] virus was prepared using lenti-shRNA [TL501388C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL501388D] virus into HEK293 cells. [TL501388D] virus was prepared using lenti-shRNA [TL501388D] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL501388D] virus into HEK293 cells. [TL501388D] virus was prepared using lenti-shRNA [TL501388D] and [TR30037] packaging kit.