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Product datasheet for TL501302V

Mark3 Mouse shRNA Lentiviral Particle (Locus ID 17169)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Mark3 Mouse shRNA Lentiviral Particle (Locus ID 17169)
Locus ID:	17169
Synonyms:	1600015G02Rik; A430080F22Rik; C-TAK1; Emk2; ETK-1; ETK1; MPK10
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	Mark3 - Mouse shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	BC026445, NM_021516, NM_022801, NM_021516.1, NM_021516.2, NM_021516.3, NM_021516.4, NM_022801.1, NM_022801.2, NM_022801.3, NM_022801.4, BC066071, NM_001370744, NM_001370745
UniProt ID:	Q03141
Summary:	Serine/threonine-protein kinase. Involved in the specific phosphorylation of microtubule-associated proteins for MAPT/TAU, MAP2 and MAP4. Phosphorylates CDC25C. Regulates localization and activity of some histone deacetylases by mediating phosphorylation of HDAC7, promoting subsequent interaction between HDAC7 and 14-3-3 and export from the nucleus. Negatively regulates the Hippo signaling pathway and antagonizes the phosphorylation of LATS1. Cooperates with DLG5 to inhibit the kinase activity of STK3/MST2 toward LATS1.[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.

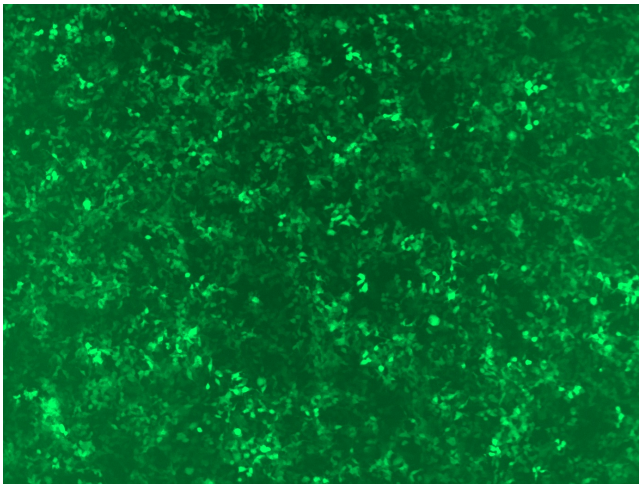
View online »

Performance Guaranteed:

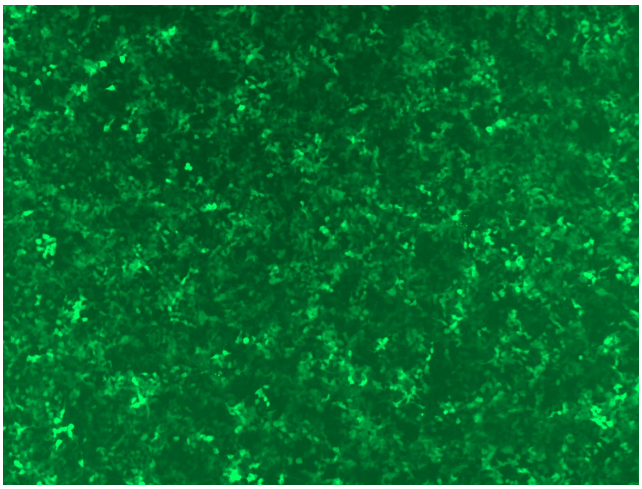
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved.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

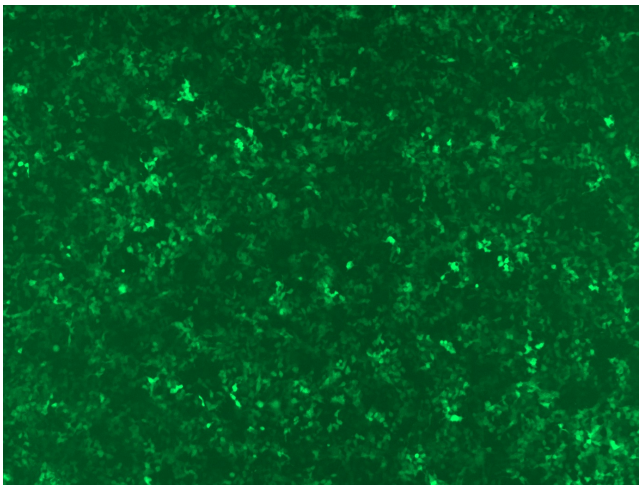
Product images:



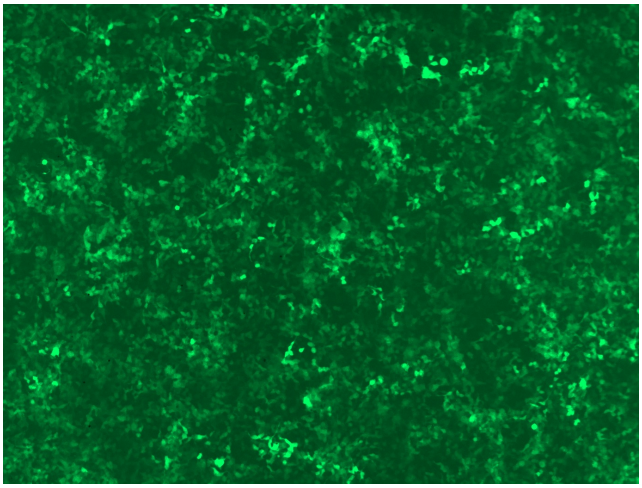
GFP signal was observed under microscope at 48 hours after transduction of TL501302A virus into HEK293 cells. TL501302A virus was prepared using lenti-shRNA TL501302A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL501302B virus into HEK293 cells. TL501302B virus was prepared using lenti-shRNA TL501302B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL501302C] virus into HEK293 cells. [TL501302C] virus was prepared using lenti-shRNA [TL501302C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL501302D] virus into HEK293 cells. [TL501302D] virus was prepared using lenti-shRNA [TL501302D] and [TR30037] packaging kit.