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Product datasheet for TL303052

NALP1 (NLRP1) Human shRNA Plasmid Kit (Locus ID 22861)

Product data:

Product Type:	shRNA Plasmids
Product Name:	NALP1 (NLRP1) Human shRNA Plasmid Kit (Locus ID 22861)
Locus ID:	22861
Synonyms:	AIADK; CARD7; CIDED; CLR17.1; DEFCAP; DEFCAP-L/S; JRRP; MSPC; NAC; NALP1; PP1044; SLEV1; VAMAS1
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	NLRP1 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 22861). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	NM_001033053, NM_014922, NM_033004, NM_033005, NM_033006, NM_033007, NM_001033053.1, NM_001033053.2, NM_033007.1, NM_033007.2, NM_033007.3, NM_033004.1, NM_033004.2, NM_033004.3, NM_014922.1, NM_014922.2, NM_014922.3, NM_014922.4, NM_033006.1, NM_033006.2, NM_033006.3, BC051787, BC051787.1, NM_033007.4, NM_033004.4, NM_014922.5, NM_033006.4, NM_001033053.3
UniProt ID:	Q9C000
Summary:	This gene encodes a member of the Ced-4 family of apoptosis proteins. Ced-family members contain a caspase recruitment domain (CARD) and are known to be key mediators of programmed cell death. The encoded protein contains a distinct N-terminal pyrin-like motif, which is possibly involved in protein-protein interactions. This protein interacts strongly with caspase 2 and weakly with caspase 9. Overexpression of this gene was demonstrated to induce apoptosis in cells. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene, but the biological validity of some variants has not been determined. [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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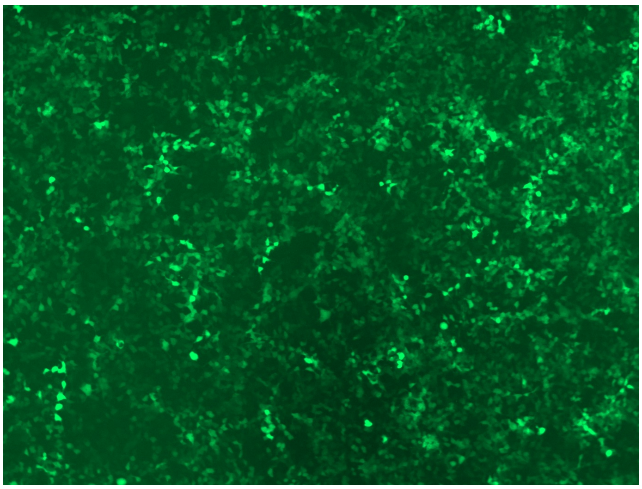
Performance Guaranteed:

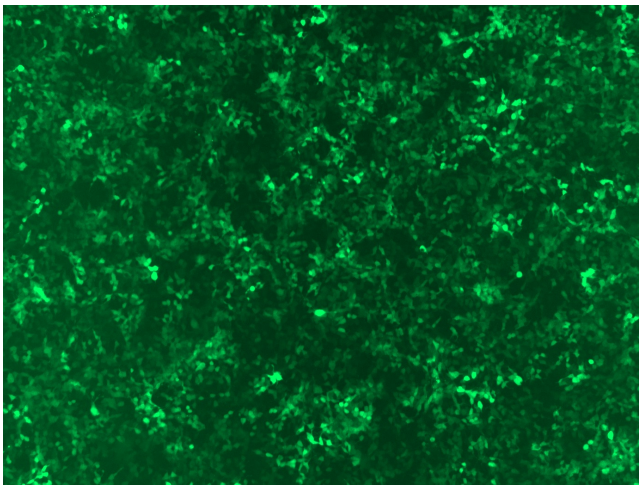
OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. 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 TL303052A virus into HEK293 cells. TL303052A virus was prepared using lenti-shRNA TL303052A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL303052C] virus into HEK293 cells. [TL303052C] virus was prepared using lenti-shRNA [TL303052C] and [TR30037] packaging kit.