

## Product datasheet for **TR512490**

### Tnip1 Mouse shRNA Plasmid (Locus ID 57783)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	Tnip1 Mouse shRNA Plasmid (Locus ID 57783)
Locus ID:	57783
Synonyms:	ABIN; ABIN-1; ABIN1; AU018810; Naf1; Nef; VAN
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Tnip1 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 57783). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">BC008186</a> , <a href="#">BC008665</a> , <a href="#">NM_001199275</a> , <a href="#">NM_001199276</a> , <a href="#">NM_001271455</a> , <a href="#">NM_001271456</a> , <a href="#">NM_021327</a> , <a href="#">NM_021327.1</a> , <a href="#">NM_021327.2</a> , <a href="#">NM_021327.4</a> , <a href="#">NM_001199276.1</a> , <a href="#">NM_001199276.2</a> , <a href="#">NM_001271455.1</a> , <a href="#">NM_001271456.1</a> , <a href="#">NM_001199275.1</a> , <a href="#">NM_001199275.2</a>
UniProt ID:	<a href="#">Q9WUU8</a>
Summary:	Inhibits NF-kappa-B activation and TNF-induced NF-kappa-B-dependent gene expression by regulating A20/TNFAIP3-mediated deubiquitination of IKBKG; proposed to link A20/TNFAIP3 to ubiquitinated IKBKG. Involved in regulation of EGF-induced ERK1/ERK2 signaling pathway; blocks MAPK3/MAPK1 nuclear translocation and MAPK1-dependent transcription. Increases cell surface CD4(T4) antigen expression. Involved in the anti-inflammatory response of macrophages and positively regulates TLR-induced activation of CEBPB. Involved in the prevention of autoimmunity; this function implicates binding to polyubiquitin. Involved in leukocyte integrin activation during inflammation; this function is mediated by association with SELPLG and dependent on phosphorylation by SRC-family kinases.[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 <a href="mailto:techsupport@origene.com">techsupport@origene.com</a> . If you need a special design or shRNA sequence, please utilize our <a href="#">custom shRNA service</a> .



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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](mailto: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).