

Product datasheet for **TL513994**

Arfgap2 Mouse shRNA Plasmid (Locus ID 77038)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Arfgap2 Mouse shRNA Plasmid (Locus ID 77038)
Locus ID:	77038
Synonyms:	2310032E02Rik; Zfp28; Zfp289
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	Arfgap2 - Mouse, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 77038). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	BC005495 , NM_001166024 , NM_023854 , NM_023854.1 , NM_023854.2 , NM_001166024.1
UniProt ID:	Q99K28
Summary:	This gene encodes a zinc-finger-containing GTPase-activating protein for ADP ribosylation factor 1 (ARF1), a small GTPase that plays a role in coatamer-mediated vesicular trafficking. This gene product stimulates the hydrolysis of ARF1-bound GTP, which may lead to dissociation of coatamer from Golgi-derived membranes to allow fusion with target membranes. It may regulate the retrograde transport from the Golgi complex to the endoplasmic reticulum. Expression of this gene has been shown to be controlled by inhibitor of DNA binding 1 (Id1). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. A pseudogene of this gene was identified on chromosome 6. [provided by RefSeq, Oct 2009]
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).