OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TL517067

Tfap2a Mouse shRNA Plasmid (Locus ID 21418)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Tfap2a Mouse shRNA Plasmid (Locus ID 21418)
Locus ID:	21418
Synonyms:	A; AP; AP-2; Ap-2 (a); Ap2; AP2alpha; Ap2tf; Tcfa; Tcfap2a
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	Tfap2a - Mouse, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 21418). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	BC007471, BC018226, NM_001122948, NM_001301674, NM_011547, NM_011547.1, NM_011547.2, NM_011547.3, NM_011547.4, NM_001122948.1, NM_001122948.2, NM_001301674.1
UniProt ID:	P34056
Summary:	This gene is a member of the activator protein 2 (AP-2) transcription factor family. The protein encoded by this gene can act as both an activator and repressor of gene transcription, and plays an important role in early embryogenesis, specifically in cranial development. This protein forms both homodimers and heterodimers, and binds to a GC-rich consensus sequence found in some promoters and enhancers. Disruption of this gene causes perinatal death, with neural tube, craniofacial, and limb mesenchyme defects. Alternative splicing results in multiple transcript variants that encode multiple protein isoforms. [provided by RefSeq, Sep 2014]
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).