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 TR510840

Ap1m1 Mouse shRNA Plasmid (Locus ID 11767)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Ap1m1 Mouse shRNA Plasmid (Locus ID 11767)
Locus ID:	11767
Synonyms:	AA408894; Adtm; Adtm1A; AP; AP47; Clt; Cltnm; mu1; mu1A; [m]1
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Ap1m1 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 11767). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC003823, NM_007456, NM_007456.1, NM_007456.2, NM_007456.3, NM_007456.4, NM_007456.5
UniProt ID:	P35585
Summary:	This gene encodes the mu-1 subunit of the scaffolding adapter protein complex AP-1 and is a member of the mu adaptin family. The AP-1 complex, which consists of 4 subunits (mu-adaptin, beta-prime adaptin, gamma-adaptin, and the small chain adaptin), is one of the predominant coat proteins of membrane vesicles involved in eukaryotic post-Golgi trafficking. The AP-1 complex is located at the Golgi vesicle and links clathrin to receptors in coated vesicles. These vesicles are involved in endocytosis and Golgi processing. AP-1 complex subunit mu-1 and other mu-adaptins select cargo proteins bearing sequence-specific sorting motifs. [provided by RefSeq, Jul 2016]
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).