

## Product datasheet for **TR504047**

### Puf60 Mouse shRNA Plasmid (Locus ID 67959)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	Puf60 Mouse shRNA Plasmid (Locus ID 67959)
Locus ID:	67959
Synonyms:	2410104I19Rik; 2810454F19Rik; SIAHBP1
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Puf60 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector (Gene ID = 67959). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">BC010601</a> , <a href="#">NM_001164600</a> , <a href="#">NM_028364</a> , <a href="#">NM_133691</a> , <a href="#">NM_001356629</a> , <a href="#">NM_001164600.1</a> , <a href="#">NM_028364.1</a> , <a href="#">NM_028364.2</a> , <a href="#">NM_133691.1</a> , <a href="#">NM_133691.2</a> , <a href="#">NM_133691.3</a> , <a href="#">NM_133691.4</a> , <a href="#">NM_133691.5</a> , <a href="#">BC119437</a> , <a href="#">BC148274</a>
UniProt ID:	<a href="#">Q3UEB3</a>
Summary:	DNA- and RNA-binding protein, involved in several nuclear processes such as pre-mRNA splicing, apoptosis and transcription regulation. In association with FUBP1 regulates MYC transcription at the P2 promoter through the core-TFIID basal transcription factor. Acts as a transcriptional repressor through the core-TFIID basal transcription factor. Represses FUBP1-induced transcriptional activation but not basal transcription. Decreases ERCC3 helicase activity. Is also involved in pre-mRNA splicing. Promotes splicing of an intron with weak 3'-splice site and pyrimidine tract in a cooperative manner with U2AF2. Involved in apoptosis induction when overexpressed in HeLa cells. Modulates alternative splicing of several mRNAs. Binds to relaxed DNA of active promoter regions. Binds to the pyrimidine tract and 3'-splice site regions of pre-mRNA; binding is enhanced in presence of U2AF2. Binds to Y5 RNA in association with TROVE2. Binds to poly(U) RNA (By similarity).[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).