

Product datasheet for **TR512762**

Klf15 Mouse shRNA Plasmid (Locus ID 66277)

Product data:

Product Type:	shRNA Plasmids
Product Name:	Klf15 Mouse shRNA Plasmid (Locus ID 66277)
Locus ID:	66277
Synonyms:	1810013I09Rik; AV048136; AW494632; CKLF; KCLF
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Klf15 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 66277). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	BC013486 , NM_023184 , NM_001355668 , NM_023184.1 , NM_023184.2 , NM_023184.3 , NM_023184.4
UniProt ID:	Q9EPW2
Summary:	Transcriptional regulator that binds to the GA element of the CLCNKA promoter (By similarity). Binds to the KCNIP2 promoter and regulates KCNIP2 circadian expression in the heart. Is a repressor of CCN2 expression, involved in the control of cardiac fibrosis. Is also involved in the control of cardiac hypertrophy acting through the inhibition of MEF2A, GATA4 and MYOCD activity. Is a negative regulator of TP53 acetylation. Inhibits NF-kappa-B activation through repression of EP300-dependent RELA acetylation (By similarity). Involved in podocyte differentiation.[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 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).