

## Product datasheet for **TR506373**

### Rnf26 Mouse shRNA Plasmid (Locus ID 213211)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	Rnf26 Mouse shRNA Plasmid (Locus ID 213211)
Locus ID:	213211
Synonyms:	8030450I18Rik
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	Rnf26 - Mouse, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 213211). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">BC004739</a> , <a href="#">BC063251</a> , <a href="#">NM_153762</a> , <a href="#">NM_153762.1</a> , <a href="#">NM_153762.2</a> , <a href="#">NM_153762.3</a> , <a href="#">BC086757</a> , <a href="#">BC111036</a>
UniProt ID:	<a href="#">Q8BUH7</a>
Summary:	E3 ubiquitin-protein ligase that plays a key role in endosome organization by retaining vesicles in the perinuclear cloud. Acts as a platform for perinuclear positioning of the endosomal system by mediating ubiquitination of SQSTM1. Ubiquitinated SQSTM1 attracts specific vesicle-associated adapters, forming a molecular bridge that restrains cognate vesicles in the perinuclear region and organizes the endosomal pathway for efficient cargo transport. Also acts as a regulator of type I interferon production in response to viral infection by mediating the formation of 'Lys-11'-linked polyubiquitin chains on TMEM173/STING, leading to stabilize TMEM173/STING. Also required to limit type I interferon response by promoting autophagic degradation of IRF3.[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).