

## Product datasheet for **TR303939**

### IL28B (IFNL3) Human shRNA Plasmid Kit (Locus ID 282617)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	IL28B (IFNL3) Human shRNA Plasmid Kit (Locus ID 282617)
Locus ID:	282617
Synonyms:	IFN-lambda-3; IFN-lambda-4; IL-28B; IL-28C; IL28B; IL28C
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	IFNL3 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 282617). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">NM_172139</a> , <a href="#">NM_001346937</a> , <a href="#">NM_172139.1</a> , <a href="#">NM_172139.2</a> , <a href="#">NM_172139.3</a> , <a href="#">BC130314</a> , <a href="#">BC130316</a> , <a href="#">NM_172139.4</a>
UniProt ID:	<a href="#">Q8IZI9</a>
Summary:	This gene encodes a cytokine distantly related to type I interferons and the IL-10 family. This gene, interleukin 28A (IL28A), and interleukin 29 (IL29) are three closely related cytokine genes that form a cytokine gene cluster on a chromosomal region mapped to 19q13. Expression of the cytokines encoded by the three genes can be induced by viral infection. All three cytokines have been shown to interact with a heterodimeric class II cytokine receptor that consists of interleukin 10 receptor, beta (IL10RB) and interleukin 28 receptor, alpha (IL28RA). [provided by RefSeq, Jul 2008]
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).