

## Product datasheet for **TR303642**

### KLHL9 Human shRNA Plasmid Kit (Locus ID 55958)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	KLHL9 Human shRNA Plasmid Kit (Locus ID 55958)
Locus ID:	55958
Synonyms:	FLJ21815; kelch-like 9; kelch-like 9 (Drosophila); OTTHUMP0000021141; RP11-380P16.6
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	KLHL9 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 55958). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	<a href="#">NM_001040713</a> , <a href="#">NM_018847</a> , <a href="#">NM_018847.1</a> , <a href="#">NM_018847.2</a> , <a href="#">NM_018847.3</a> , <a href="#">NM_001040713.1</a> , <a href="#">BC039133</a> , <a href="#">BC039133.2</a> , <a href="#">BC052776</a> , <a href="#">BC064958</a> , <a href="#">BC105008</a> , <a href="#">BC113513</a> , <a href="#">NM_018847.4</a>
UniProt ID:	<a href="#">Q9P2J3</a>
Summary:	This gene encodes a protein that belongs to the kelch repeat-containing family, and contains an N-terminal BTB/POZ domain, a BACK domain and six C-terminal kelch repeats. The encoded protein is a component of a complex with cullin 3-based E3 ligase, which plays a role in mitosis. This protein complex is a cell cycle regulator, and functions in the organization and integrity of the spindle midzone in anaphase and the completion of cytokinesis. The complex is required for the removal of the chromosomal passenger protein aurora B from mitotic chromosomes. [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 <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).