

Product datasheet for TR300083

OriGene Technologies, Inc.

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ZNF645 Human shRNA Plasmid Kit (Locus ID 158506)

Product data:

Product Type: shRNA Plasmids

Product Name: ZNF645 Human shRNA Plasmid Kit (Locus ID 158506)

Locus ID: 158506

Synonyms: CT138; HAKAIL; ZNF645

Vector: pRS (TR20003)

E. coli Selection: Ampicillin

Mammalian Cell Selection:

Puromycin

Format: Retroviral plasmids

Components: ZNF645 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID =

158506). 5µg purified plasmid DNA per construct

29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.

RefSeq: <u>NM 152577, NM 152577.1, NM 152577.2, NM 152577.3, BC126190, BC074910, BC126192,</u>

NM 152577.4

UniProt ID: O8N7E2

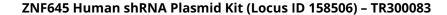
Summary: This gene encodes a member of the zinc finger domain-containing protein family. This family

member contains both a RING-type and a C2H2-type of zinc finger domain, and it may function as an E3 ubiquitin-protein ligase. Protein localization suggests a role in human

sperm production and quality control. [provided by RefSeq, Aug 2011]

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 <u>techsupport@origene.com</u>. If you need a special design or shRNA sequence, please utilize our custom shRNA service.





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).