OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TR305068

DDX27 Human shRNA Plasmid Kit (Locus ID 55661)

Product data:

Product Type:	shRNA Plasmids
Product Name:	DDX27 Human shRNA Plasmid Kit (Locus ID 55661)
Locus ID:	55661
Synonyms:	dJ686N3.1; DRS1; Drs1p; HSPC259; PP3241; RHLP
Vector:	pRS (TR20003)
E. coli Selection:	Ampicillin
Mammalian Cell Selection:	Puromycin
Format:	Retroviral plasmids
Components:	DDX27 - Human, 4 unique 29mer shRNA constructs in retroviral untagged vector(Gene ID = 55661). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pRS Vector, TR30012, included for free.
RefSeq:	NM_017895, NM_001348187, NM_017895.1, NM_017895.2, NM_017895.3, NM_017895.4, NM_017895.5, NM_017895.6, NM_017895.7, BC126287, BC009304, BC011927, BC016060, BC104480, BC130275, BC144125, BM970582
UniProt ID:	Q96GQ7
Summary:	DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein involved in the processing of 5.8S and 28S ribosomal RNAs. More specifically, the encoded protein localizes to the nucleolus, where it interacts with the PeBoW complex to ensure proper 3' end formation of 47S rRNA. [provided by RefSeq, Jan 2017]
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.

View online »

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).