

## Product datasheet for **TL306444**

### UAP56 (DDX39B) Human shRNA Plasmid Kit (Locus ID 7919)

#### Product data:

Product Type:	shRNA Plasmids
Product Name:	UAP56 (DDX39B) Human shRNA Plasmid Kit (Locus ID 7919)
Locus ID:	7919
Synonyms:	BAT1; D6S81E; UAP56
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	DDX39B - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 7919). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	<a href="#">NM_004640</a> , <a href="#">NM_080598</a> , <a href="#">NR_037852</a> , <a href="#">NM_004640.1</a> , <a href="#">NM_004640.2</a> , <a href="#">NM_004640.3</a> , <a href="#">NM_004640.4</a> , <a href="#">NM_004640.5</a> , <a href="#">NM_004640.6</a> , <a href="#">NM_080598.1</a> , <a href="#">NM_080598.2</a> , <a href="#">NM_080598.3</a> , <a href="#">NM_080598.4</a> , <a href="#">NM_080598.5</a> , <a href="#">BC013006</a> , <a href="#">BC013006.2</a> , <a href="#">BC000361</a> , <a href="#">BM993499</a>
UniProt ID:	<a href="#">Q13838</a>
Summary:	This gene encodes a member of the DEAD box family of RNA-dependent ATPases that mediate ATP hydrolysis during pre-mRNA splicing. The encoded protein is an essential splicing factor required for association of U2 small nuclear ribonucleoprotein with pre-mRNA, and it also plays an important role in mRNA export from the nucleus to the cytoplasm. This gene belongs to a cluster of genes localized in the vicinity of the genes encoding tumor necrosis factor alpha and tumor necrosis factor beta. These genes are all within the human major histocompatibility complex class III region. Mutations in this gene may be associated with rheumatoid arthritis. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on both chromosomes 6 and 11. Read-through transcription also occurs between this gene and the upstream ATP6V1G2 (ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G2) gene. [provided by RefSeq, Feb 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 <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> .

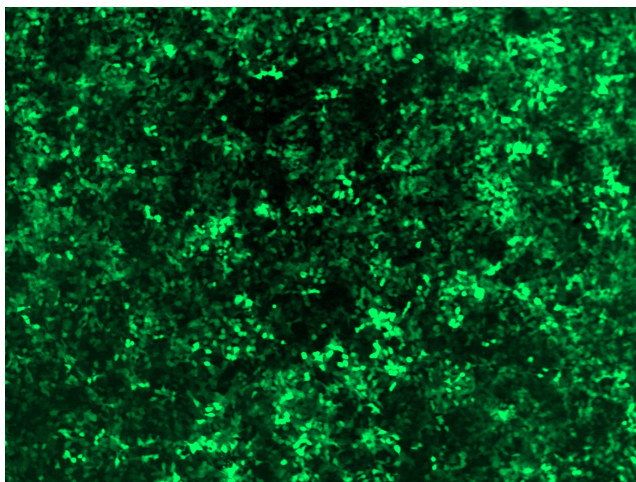


[View online »](#)

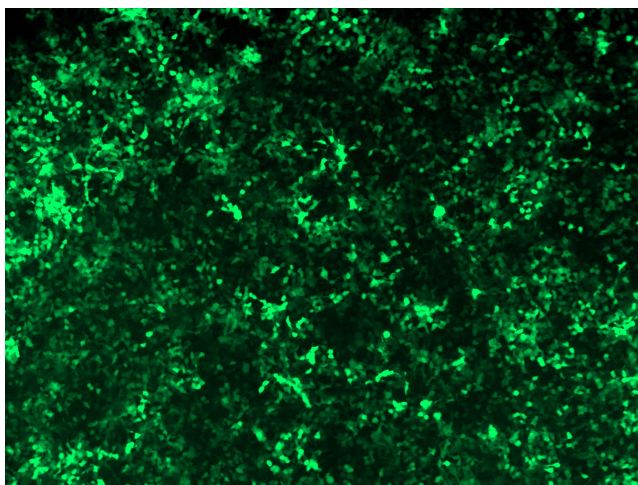
**Performance  
Guaranteed:**

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.

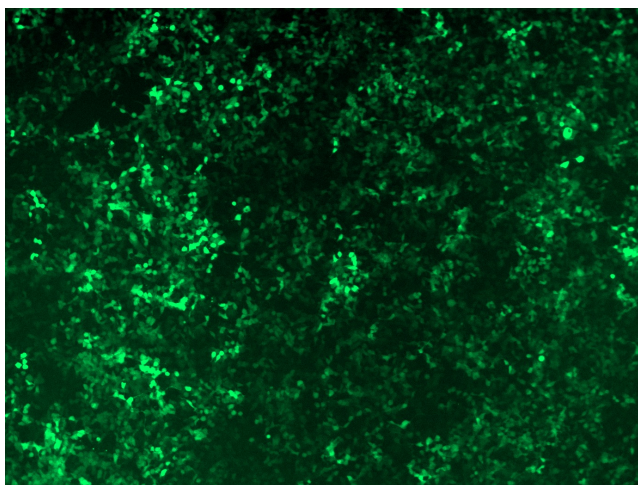
For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at [techsupport@origene.com](mailto:techsupport@origene.com). Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).

**Product images:**

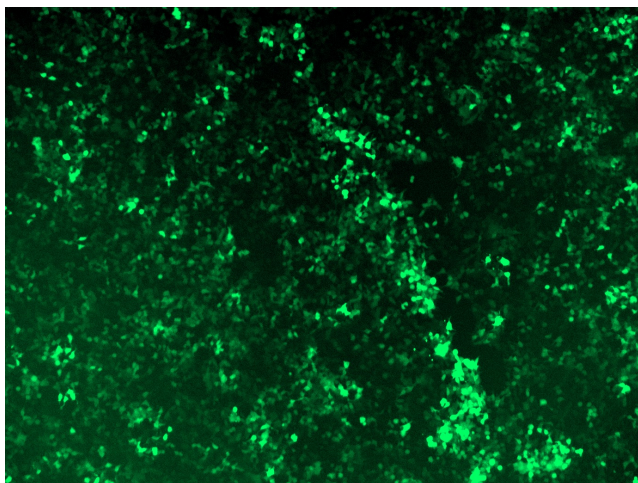
GFP signal was observed under microscope at 48 hours after transduction of TL306444A virus into HEK293 cells. TL306444A virus was prepared using lenti-shRNA TL306444A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL306444B virus into HEK293 cells. TL306444B virus was prepared using lenti-shRNA TL306444B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL306444C] virus into HEK293 cells. [TL306444C] virus was prepared using lenti-shRNA [TL306444C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL306444D] virus into HEK293 cells. [TL306444D] virus was prepared using lenti-shRNA [TL306444D] and [TR30037] packaging kit.