

## Product datasheet for **TL316751**

### **TBL1 (TBL1X) Human shRNA Plasmid Kit (Locus ID 6907)**

#### **Product data:**

Product Type:	shRNA Plasmids
Product Name:	TBL1 (TBL1X) Human shRNA Plasmid Kit (Locus ID 6907)
Locus ID:	6907
Synonyms:	CHNG8; EBI; SMAP55; TBL1
Vector:	pGFP-C-shLenti (TR30023)
E. coli Selection:	Chloramphenicol (34 ug/ml)
Mammalian Cell Selection:	Puromycin
Format:	Lentiviral plasmids
Components:	TBL1X - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 6907). 5µg purified plasmid DNA per construct 29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.
RefSeq:	<a href="#">NM_001139466</a> , <a href="#">NM_001139467</a> , <a href="#">NM_001139468</a> , <a href="#">NM_005647</a> , <a href="#">NM_005647.1</a> , <a href="#">NM_005647.2</a> , <a href="#">NM_005647.3</a> , <a href="#">NM_001139466.1</a> , <a href="#">NM_001139467.1</a> , <a href="#">NM_001139468.1</a> , <a href="#">BC032708</a> , <a href="#">BC020374</a> , <a href="#">BC029394</a> , <a href="#">BC052304</a> , <a href="#">NM_005647.4</a>
UniProt ID:	<a href="#">Q60907</a>
Summary:	The protein encoded by this gene has sequence similarity with members of the WD40 repeat-containing protein family. The WD40 group is a large family of proteins, which appear to have a regulatory function. It is believed that the WD40 repeats mediate protein-protein interactions and members of the family are involved in signal transduction, RNA processing, gene regulation, vesicular trafficking, cytoskeletal assembly and may play a role in the control of cytotypic differentiation. This encoded protein is found as a subunit in corepressor SMRT (silencing mediator for retinoid and thyroid receptors) complex along with histone deacetylase 3 protein. This gene is located adjacent to the ocular albinism gene and it is thought to be involved in the pathogenesis of the ocular albinism with late-onset sensorineural deafness phenotype. Four transcript variants encoding two different isoforms have been found for this gene. This gene is highly similar to the Y chromosome TBL1Y gene. [provided by RefSeq, Nov 2008]

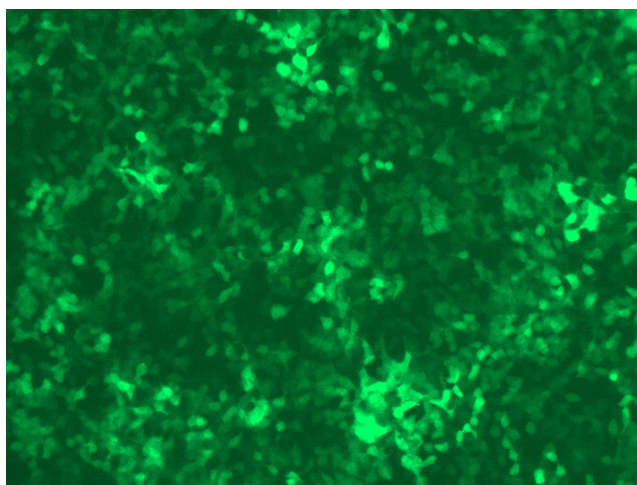

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**shRNA Design:** These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact [techsupport@origene.com](mailto:techsupport@origene.com). If you need a special design or shRNA sequence, please utilize our [custom shRNA service](#).

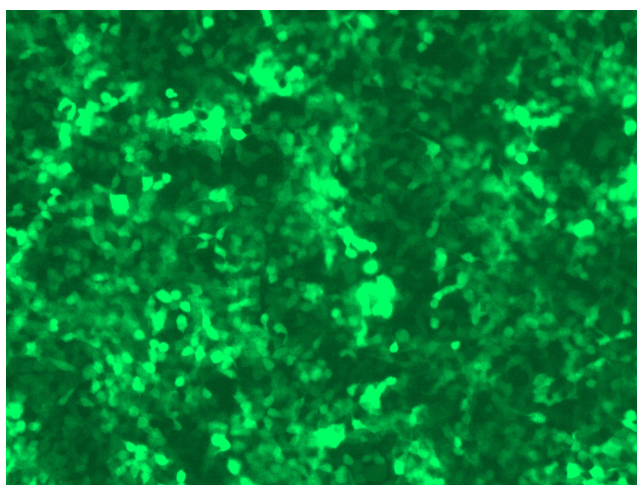
**Performance Guaranteed:** OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection 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](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).

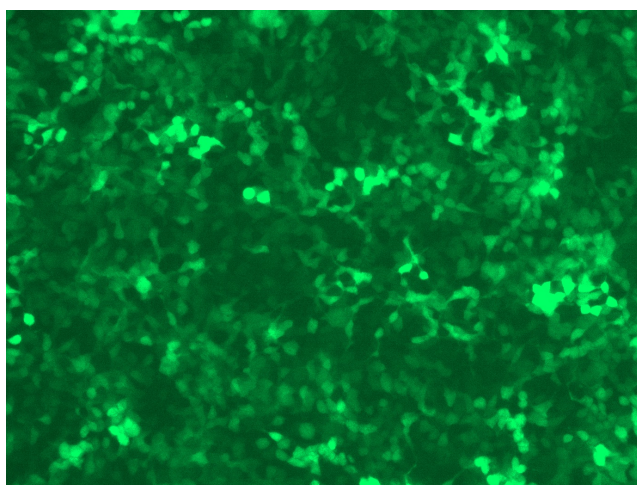
### Product images:



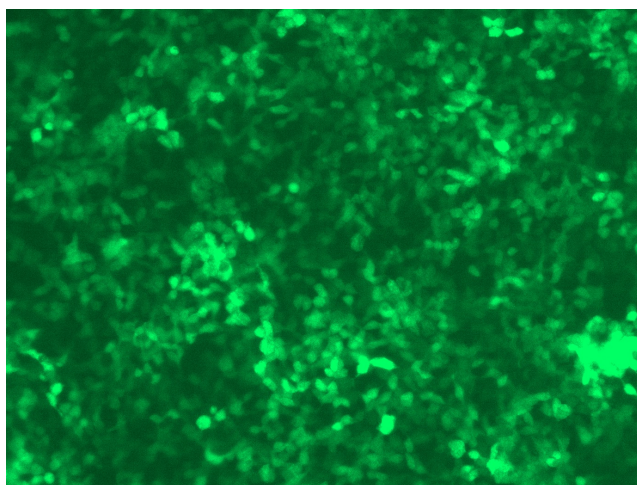
GFP signal was observed under microscope at 48 hours after transduction of TL316751A virus into HEK293 cells. TL316751A virus was prepared using lenti-shRNA TL316751A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL316751B virus into HEK293 cells. TL316751B virus was prepared using lenti-shRNA TL316751B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL316751C] virus into HEK293 cells. [TL316751C] virus was prepared using lenti-shRNA [TL316751C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL316751D] virus into HEK293 cells. [TL316751D] virus was prepared using lenti-shRNA [TL316751D] and [TR30037] packaging kit.