

## Product datasheet for **TL302736**

### OTUB1 Human shRNA Plasmid Kit (Locus ID 55611)

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | shRNA Plasmids  |
| Product Name:             | OTUB1 Human shRNA Plasmid Kit (Locus ID 55611)  |
| Locus ID:                 | 55611   |
| Synonyms:                 | HSPC263; OTB1; OTU1   |
| Vector:                   | pGFP-C-shLenti (TR30023)  |
| E. coli Selection:        | Chloramphenicol (34 ug/ml)  |
| Mammalian Cell Selection: | Puromycin   |
| Format:                   | Lentiviral plasmids   |
| Components:               | OTUB1 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 55611).<br>5µg purified plasmid DNA per construct<br>29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.  |
| RefSeq:                   | <a href="#">NM_017670</a> , <a href="#">NR_003089</a> , <a href="#">NM_017670.1</a> , <a href="#">NM_017670.2</a> , <a href="#">BC107701</a> , <a href="#">BC107701.1</a> , <a href="#">BC007519</a> , <a href="#">BC010368</a> , <a href="#">NM_017670.3</a>   |
| UniProt ID:               | <a href="#">Q96FW1</a>  |
| Summary:                  | The product of this gene is a member of the OTU (ovarian tumor) superfamily of predicted cysteine proteases. The encoded protein is a highly specific ubiquitin iso-peptidase, and cleaves ubiquitin from branched poly-ubiquitin chains but not from ubiquitinated substrates. It interacts with another ubiquitin protease and an E3 ubiquitin ligase that inhibits cytokine gene transcription in the immune system. It is proposed to function in specific ubiquitin-dependent pathways, possibly by providing an editing function for polyubiquitin chain growth. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2008] |
| 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> .  |

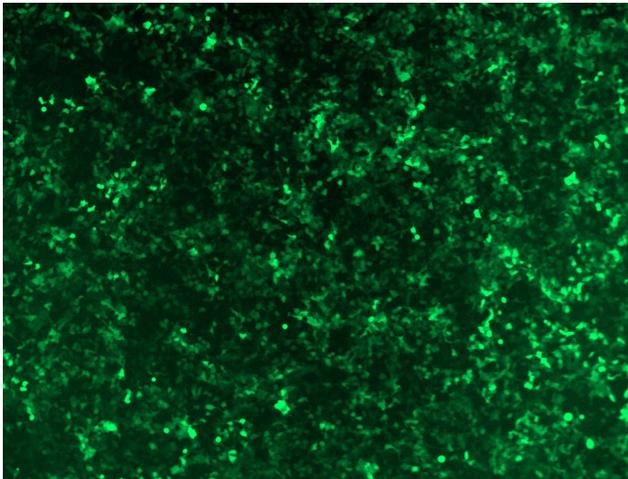


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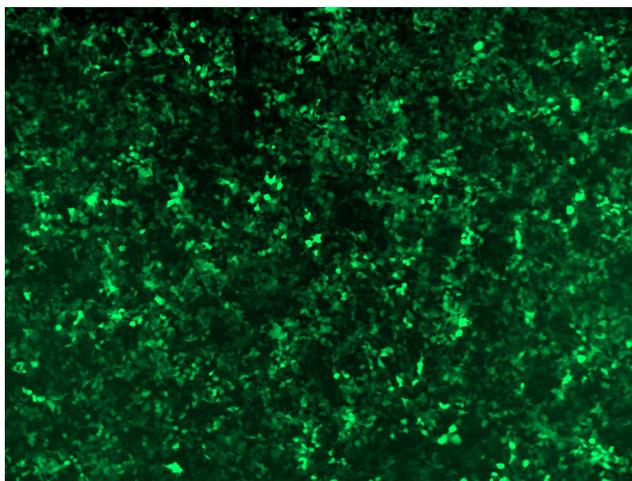
**Performance  
Guaranteed:**

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.

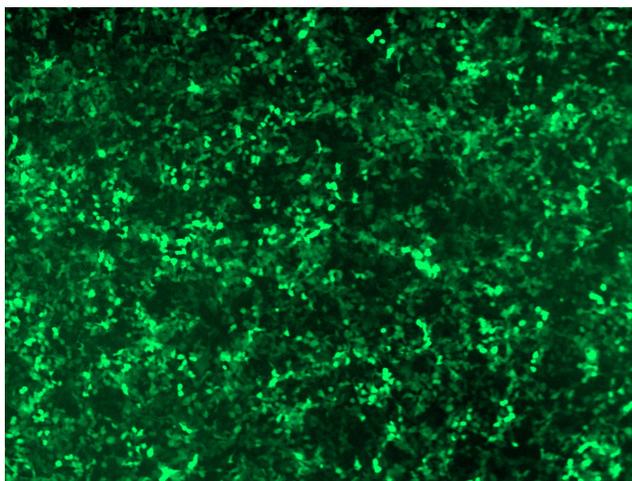
For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at [techsupport@origene.com](mailto:techsupport@origene.com).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

**Product images:**

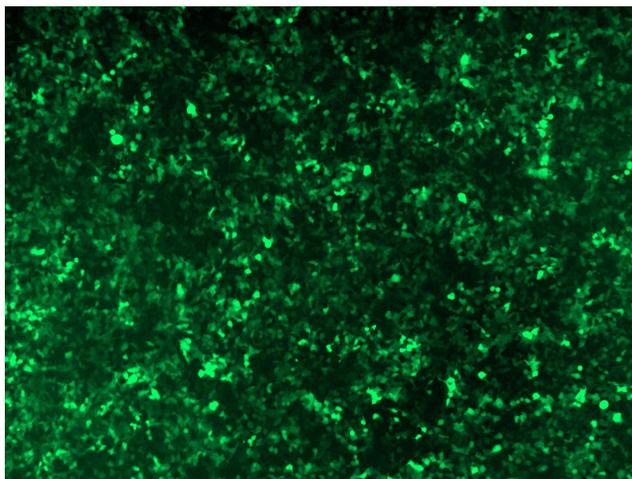
GFP signal was observed under microscope at 48 hours after transduction of TL302736A virus into HEK293 cells. TL302736A virus was prepared using lenti-shRNA TL302736A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL302736B virus into HEK293 cells. TL302736B virus was prepared using lenti-shRNA TL302736B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL302736C] virus into HEK293 cells. [TL302736C] virus was prepared using lenti-shRNA [TL302736C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL302736D] virus into HEK293 cells. [TL302736D] virus was prepared using lenti-shRNA [TL302736D] and [TR30037] packaging kit.