

## Product datasheet for **TL320438**

### ROR1 Human shRNA Plasmid Kit (Locus ID 4919)

#### Product data:

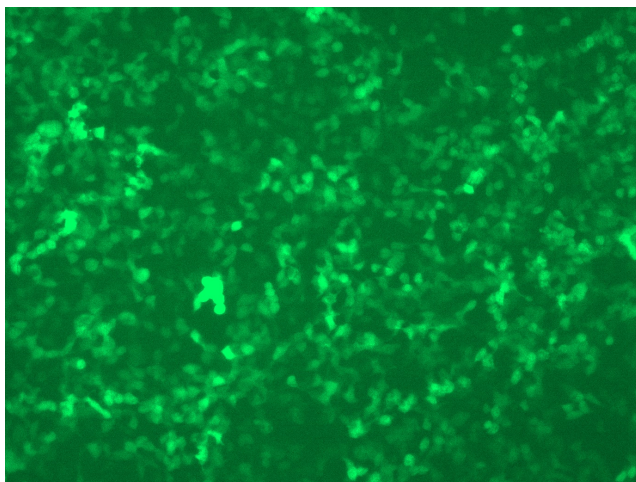
|                           |  |
|---------------------------|--|
| Product Type:             | shRNA Plasmids   |
| Product Name:             | ROR1 Human shRNA Plasmid Kit (Locus ID 4919)   |
| Locus ID:                 | 4919   |
| Synonyms:                 | dj537F10.1; NTRKR1   |
| Vector:                   | pGFP-C-shLenti (TR30023)   |
| E. coli Selection:        | Chloramphenicol (34 ug/ml)   |
| Mammalian Cell Selection: | Puromycin  |
| Format:                   | Lentiviral plasmids  |
| Components:               | ROR1 - Human, 4 unique 29mer shRNA constructs in lentiviral GFP vector(Gene ID = 4919).<br>5µg purified plasmid DNA per construct<br>29-mer scrambled shRNA cassette in pGFP-C-shLenti Vector, TR30021, included for free.   |
| RefSeq:                   | <u><a href="#">NM_001083592</a></u> , <u><a href="#">NM_005012</a></u> , <u><a href="#">NM_005012.1</a></u> , <u><a href="#">NM_005012.2</a></u> , <u><a href="#">NM_005012.3</a></u> , <u><a href="#">NM_001083592.1</a></u> , <u><a href="#">BC006374</a></u> , <u><a href="#">BC080541</a></u> , <u><a href="#">BC128386</a></u> , <u><a href="#">BC156511</a></u> , <u><a href="#">BC172555</a></u> , <u><a href="#">NM_005012.4</a></u>   |
| UniProt ID:               | <u><a href="#">Q01973</a></u>  |
| Summary:                  | This gene encodes a receptor tyrosine kinase-like orphan receptor that modulates neurite growth in the central nervous system. The encoded protein is a glycosylated type I membrane protein that belongs to the ROR subfamily of cell surface receptors. It is a pseudokinase that lacks catalytic activity and may interact with the non-canonical Wnt signalling pathway. This gene is highly expressed during early embryonic development but expressed at very low levels in adult tissues. Increased expression of this gene is associated with B-cell chronic lymphocytic leukaemia. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2012] |
| 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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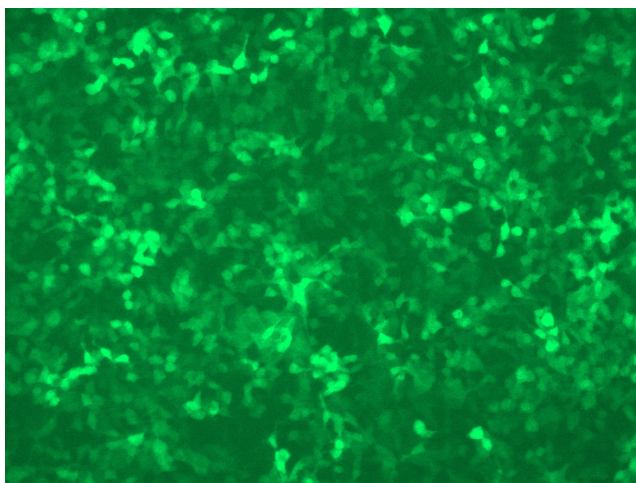
**Performance  
Guaranteed:**

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.

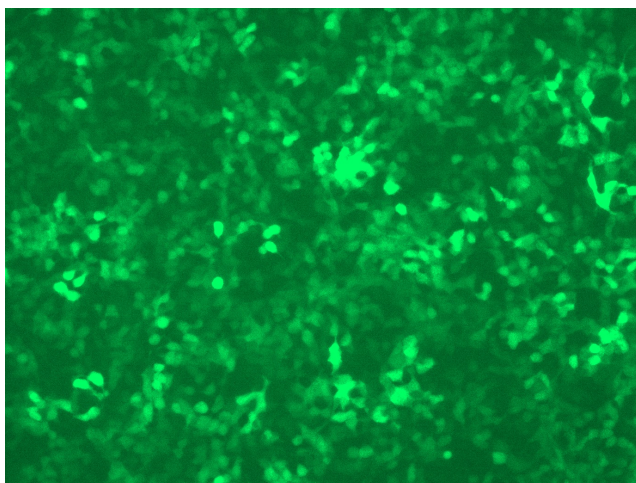
For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at [techsupport@origene.com](mailto:techsupport@origene.com). 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:**


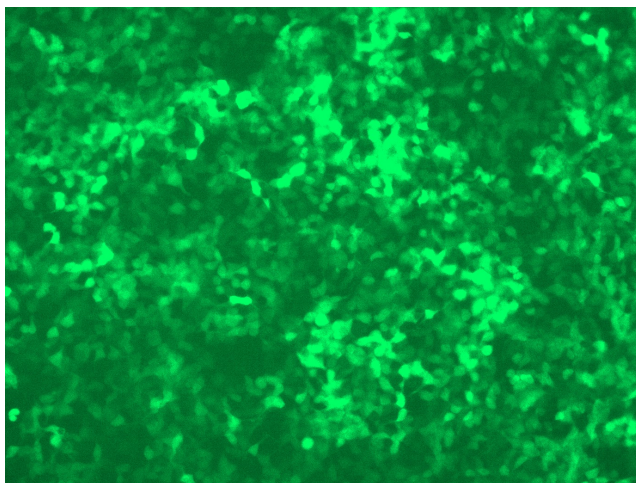
GFP signal was observed under microscope at 48 hours after transduction of TL320438A virus into HEK293 cells. TL320438A virus was prepared using lenti-shRNA TL320438A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL320438B virus into HEK293 cells. TL320438B virus was prepared using lenti-shRNA TL320438B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL320438C] virus into HEK293 cells. [TL320438C] virus was prepared using lenti-shRNA [TL320438C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL320438D] virus into HEK293 cells. [TL320438D] virus was prepared using lenti-shRNA [TL320438D] and [TR30037] packaging kit.