

## Product datasheet for **TL305206V**

### CRY2 Human shRNA Lentiviral Particle (Locus ID 1408)

#### Product data:

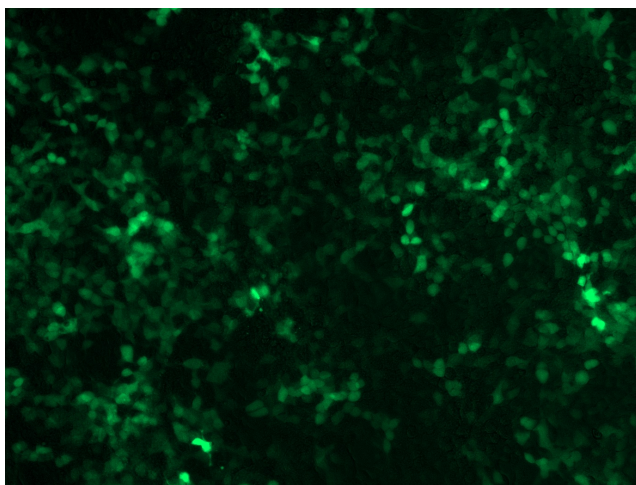
|               |  |
|---------------|--|
| Product Type: | shRNA Lentiviral Particles   |
| Product Name: | CRY2 Human shRNA Lentiviral Particle (Locus ID 1408)   |
| Locus ID:     | 1408   |
| Synonyms:     | HCRY2; PHLL2   |
| Vector:       | pGFP-C-shLenti (TR30023)   |
| Format:       | Lentiviral particles   |
| Components:   | CRY2 - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, $>10^7$ TU/ml.  |
| RefSeq:       | <u><a href="#">NM_001127457</a></u> , <u><a href="#">NM_021117</a></u> , <u><a href="#">NM_021117.1</a></u> , <u><a href="#">NM_021117.2</a></u> , <u><a href="#">NM_021117.3</a></u> , <u><a href="#">NM_001127457.1</a></u> , <u><a href="#">NM_001127457.2</a></u> , <u><a href="#">BC041814</a></u> , <u><a href="#">BC041814.1</a></u> , <u><a href="#">BC035161</a></u> , <u><a href="#">NM_021117.5</a></u>   |
| UniProt ID:   | <u><a href="#">Q49AN0</a></u>  |
| Summary:      | This gene encodes a flavin adenine dinucleotide-binding protein that is a key component of the circadian core oscillator complex, which regulates the circadian clock. This gene is upregulated by CLOCK/ARNTL heterodimers but then represses this upregulation in a feedback loop using PER/CRY heterodimers to interact with CLOCK/ARNTL. Polymorphisms in this gene have been associated with altered sleep patterns. The encoded protein is widely conserved across plants and animals. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2014] |
| 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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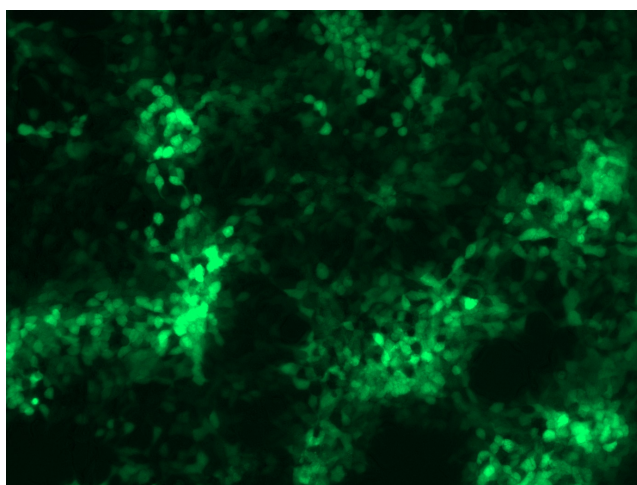
**Performance  
Guaranteed:**

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.

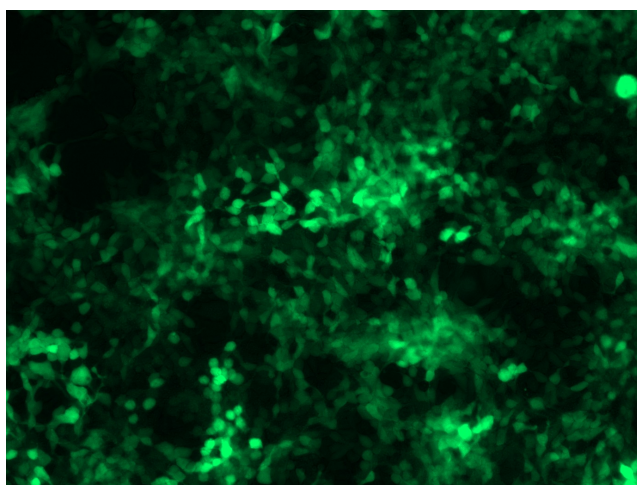
For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at [techsupport@origene.com](mailto:techsupport@origene.com).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


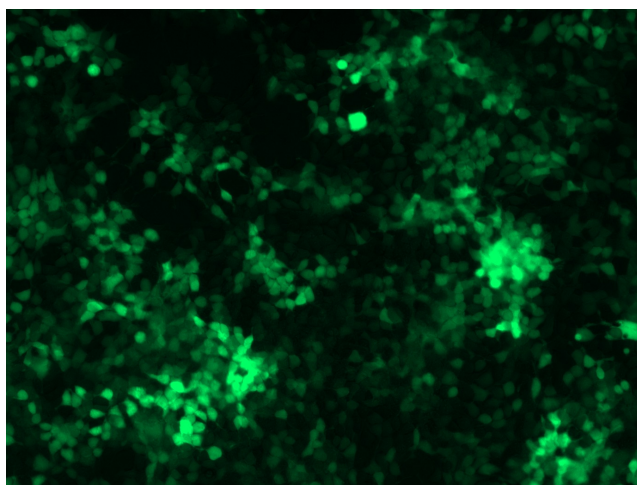
GFP signal was observed under microscope at 48 hours after transduction of TL305206A virus into HEK293 cells. TL305206A virus was prepared using lenti-shRNA TL305206A and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of TL305206B virus into HEK293 cells. TL305206B virus was prepared using lenti-shRNA TL305206B and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL305206C] virus into HEK293 cells. [TL305206C] virus was prepared using lenti-shRNA [TL305206C] and [TR30037] packaging kit.



GFP signal was observed under microscope at 48 hours after transduction of [TL305206D] virus into HEK293 cells. [TL305206D] virus was prepared using lenti-shRNA [TL305206D] and [TR30037] packaging kit.