

## Lentiviral Particles for Firefly Luciferase

**Catalog #: SP401-025, SP401-100**

Lentiviral particles pseudotyped without envelope protein.

### Description

- **Gene:** Firefly Luciferase
- **Promoter:** CMV
- **Tag:** N/A
- **Reporter:** eGFP
- **Resistance marker:** Puromycin
- **Additional note:** N/A

### Contents and storage

Provided as 25 µl×1 (Cat.# SP401-025) or 25 µl×4 (Cat.# SP401-100) of purified lentiviral particles

**Titer:** > 1×10<sup>10</sup> copies/ml

**For lot-specific datasheet and titer, please** <https://www.genecopoeia.com/tech/datasheet/>

Lentivirus particles are shipped on dry ice and must be stored at -80°C immediately upon receipt. Avoid repeated freeze-thaw cycles as this will reduce titers. Divide into useful aliquots if necessary and store at -80°C.

### Viral titer

The titer of the lentiviral particles without envelope protein is determined by RT-qPCR.

### Overview of production

Identity of lentiviral transfer vector: pEZ-Lv201

The lentiviral particles were generated by following a standardized protocol using highly purified plasmids and EndoFectin-Lenti™ and TiterBoost™ reagents.

The lentiviral transfer vector was co-transfected into 293Ta cells (Cat #: LT008) with Lenti-Pac HIV Expression Packaging Kit (without envelope protein). The lentivirus particles were purified and stored at -80°C in aliquots (purified particles).

### Quality control

The lentiviral expression construct was validated by full-length sequencing, restriction enzyme digestion and PCR-size validation using gene-specific and vector-specific primers. Product is confirmed free of bacteria, fungi and common Mycoplasma contamination.

### User manual

Please contact GeneCopoeia for a copy or download at:

<https://www.genecopoeia.com/wp-content/uploads/2020/07/Lenti-Pac-Manual-S-072920.pdf>

GeneCopoeia, Inc.  
9620 Medical Center Drive, #101  
Rockville, Maryland 20850  
Tel: 301-762-0888 Fax: 301-762-8333  
Email: [inquiry@genecopoeia.com](mailto:inquiry@genecopoeia.com)  
Web: [www.genecopoeia.com](http://www.genecopoeia.com)