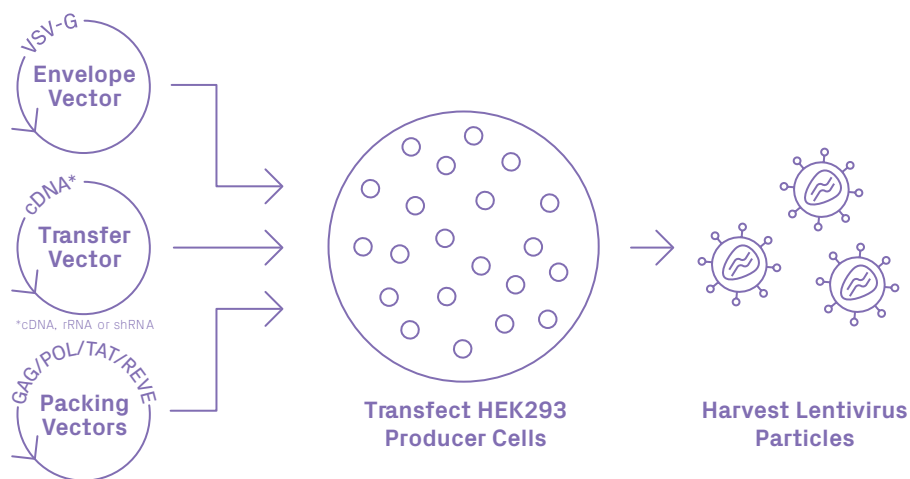


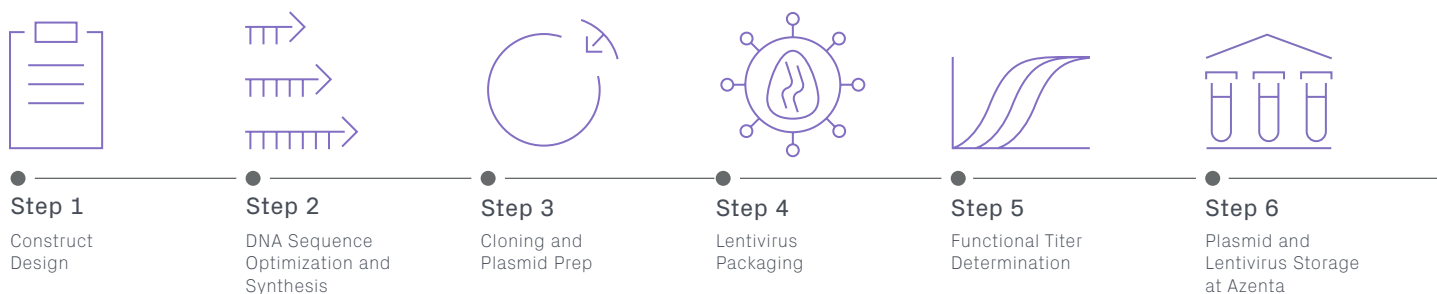
Gene-to-Lentivirus Solutions

Azenta Life Sciences now offers an expanded solution for lentiviral vectors, from construct synthesis through to viral production and storage. The gene-to-lentivirus workflow, combined with Azenta Life Sciences sample management services, provides a complete end-to-end solution designed with speed and convenience in mind.

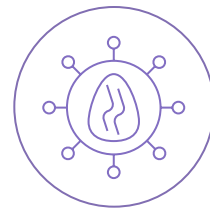
Lentiviral vectors are research tools used to introduce gene products into *in vitro* systems, animal models, or human patients via gene therapy. Lentiviruses have a broad range of applications and are commonly used in clinical gene therapy as well as in CAR-Tcell engineering.



Azenta Life Sciences Gene-to-Lentivirus Workflow



Need long-term storage of valuable plasmid or viral stocks?
 Inquire about adding best-in-class storage services through Azenta Life Sciences

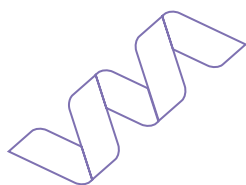


Gene-to-Lentivirus Solutions

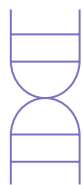
Advantages of Lentivirus

- Ability to transduce both dividing and non-dividing cells
- Integration into the host genome and stable expression of the transgene
- Lentiviral vectors can carry relatively large transgenes
- Low immunogenicity
- Functional titer (IFU/mL) is determined by cell transduction and qPCR

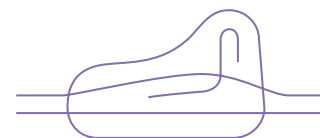
Applications



Protein Expression



Gene and Cell Therapy



Genome Engineering

Features and Benefits

Complete Service Chain:

- Simplify your project management with a single provider for all services
- Fast turnaround time
- Ph.D. scientists to support every step of your project

US-Based Production:

- US-based lentivirus production
- US-based gene synthesis available (optional)