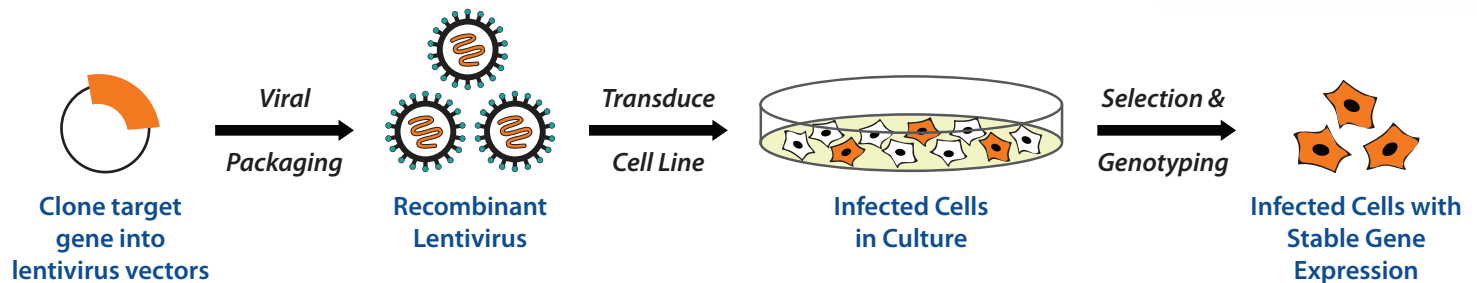




Stable Cell Line Generation in Primary Cells

A comprehensive custom Lentiviral-based Stable Cell Line Generation Service for genetically engineering sensitive hard-to-transfect cells, primary cells, stem cells and terminally differentiated cells such as neurons.



Key Features:

- Broad tropism lentiviruses to target most mammalian cell types.
- Non-integrating lentiviruses for CRISPR-lenti gene knockout.
- Choice of selection markers: antibiotic resistance or GFP 3rd generation lentiviral systems for the highest biosafety standards.
- Gene editing confirmed by NGS or RT-PCR.

Gene Overexpression

Inducible Gene Expression

Gene Knockout

Gene Knockdown

Cell Line Modifications

Knock-In Cell Line Generation:	We offer 3rd generation lentiviral system for stable gene knock-in into multiple cell types from most mammalian species.
CRISPR Knockout Cell Line Generation:	We offer non-integrating lentiviruses (IDLVs) for CRISPR-lenti gene knockout or knock down modifications in hard-to-transfect cell lines.

Cost-effective

Efficient

Primary Cells & Many Other Cell Lines

Service Specifications:

Customer should provide:

- Frozen cells: 2 vials of 10⁶ cells/ vial OR live cells: 2 x T25 flasks at 90% confluency
- Detailed information regarding target gene and gene modification

Deliverables:

- Two vials of 1-2 clone(s) or 2 vials of pooled clones
- Optional: negative control non-target gRNA-virus available
- Clonal expansion and preservation
- Milestone reports and detailed final report

Applications:

- Drug screening
- Functional assays
- Membrane protein screening
- Long-term expression studies
- Antibody immunization boosting
- Gene therapy research

Timeline: 3-6 months