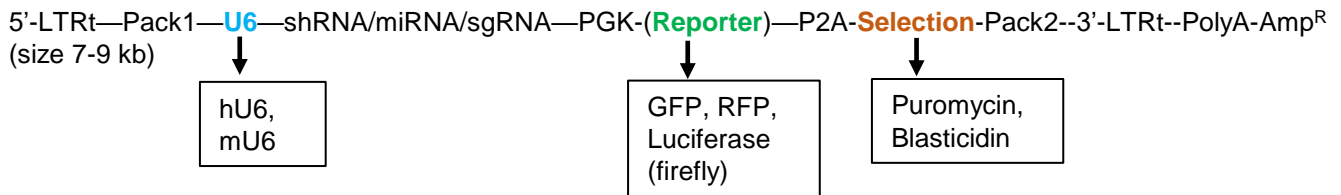


LipExoGen Vectors (General)

Options for customizable components are listed in the boxes below each component.

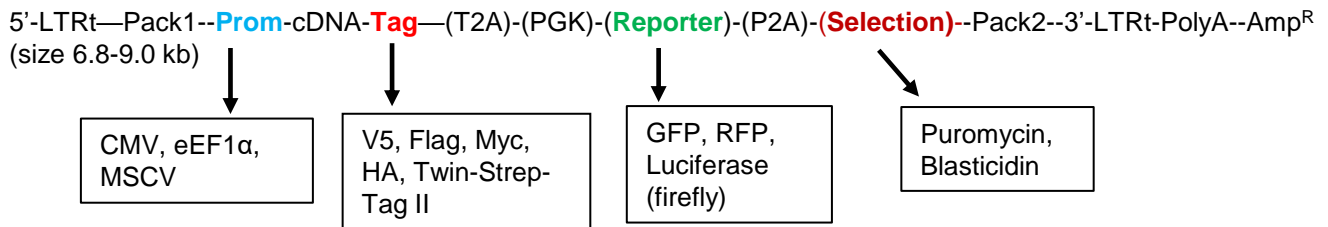
Lentiviral Vectors

1. Lentiviral shRNA/miRNA/sgRNA Expression Vector



Available services: Custom cloning, custom lentiviral particles.

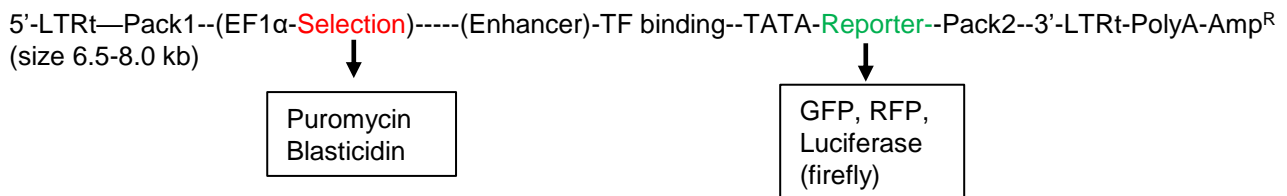
2. Lentiviral ORF cDNA Expression Vector



Prom, promoter.

Available services: Custom cloning, custom lentiviral particles.

3. Lentiviral TF/Promoter Reporter Vector

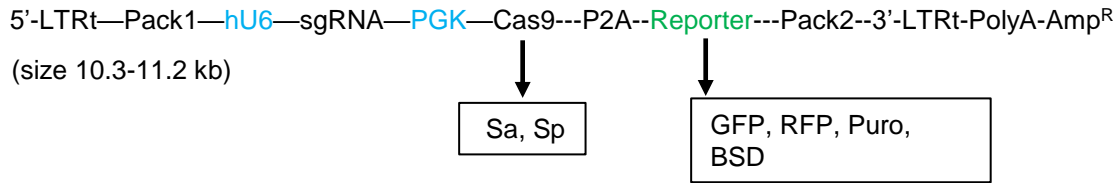


TF, transcription factor. Binding refers to the binding element; for TF reporters, this is TF response element arranged in tandem repeats, and for promoter reporters, this is the gene promoter.

Available services: Custom cloning, custom lentiviral particles.

Lentiviral Vectors (continued)

4. Lentiviral sgRNA-Cas9 Expression Vector



Available services: Custom cloning, custom lentiviral particles.

5. Lentiviral Strep-BioID Expression Vector

5'-LTRt-Pack1-CMV---ORF-Twin-Strep-II-BioID—P2A--Puro--Pack2--3'-LTRt-PolyA--Amp^R
(size 8.0 kb)

Available services: Custom cloning

6. Lentiviral Tet-on Strep-BioID Expression Vector (all-in-one)

5'-LTRt-Pack1-TRECMV--ORF- Twin-Strep-II-BioID—PGK-Puro-T2A-rtTA--Pack2--3'-LTRt--PolyA--Amp^R
(size 9.6 kb)

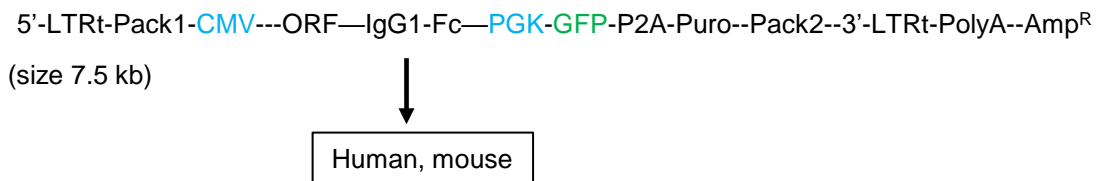
Available services: Custom cloning

7. Lentiviral Tet-on ORF cDNA Expression Vector (all-in-one)

5'-LTRt-Pack1-TRECMV—ORF-V5—PGK-Puro-T2A-rtTA--Pack2--3'-LTRt-PolyA-Amp^R
(size 8.3 kb)

Available services: Custom cloning

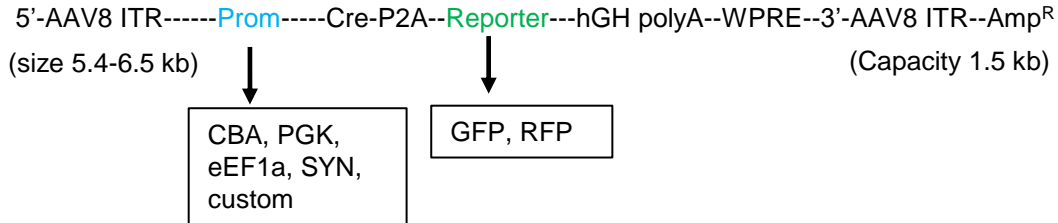
8. Lentiviral Fc Fusion Protein Expression Vector



Available services: Custom cloning

AAV Vectors

1. AAV Cre Expression Vector



Prom, promoter.

Customer will specify their choice of AAV8 or AAV2 for ITRs.

Available services: Custom cloning, custom AAV

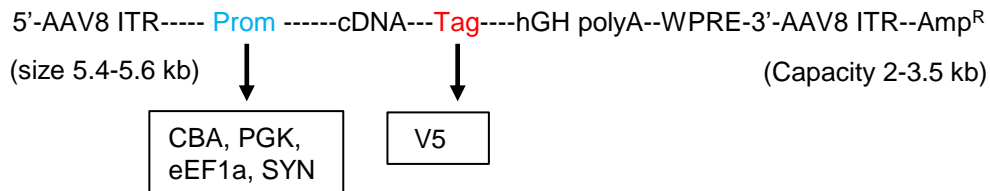
2. AAV sgRNA-Cas9 Expression Vector

5'-AAV8 ITR—hU6—sgRNA--PGK—SaCas9---hGH polyA--AAV8 ITR--Amp^R
(size 8.0 kb)

Customer will specify their choice of AAV8 or AAV2 for ITRs.

Available services: Custom cloning, custom AAV

3. AAV ORF cDNA Expression Vector

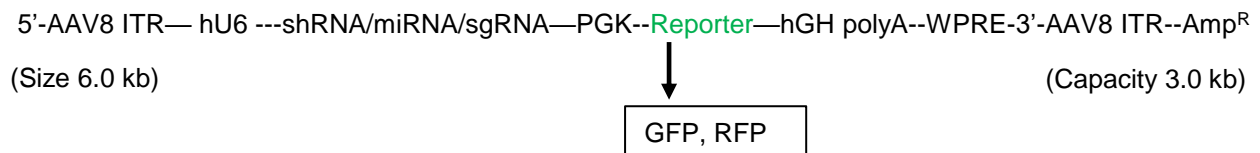


Prom, promoter.

Customer will specify their choice of AAV8 or AAV2 for ITRs.

Available services: Custom cloning, custom AAV

4. AAV shRNA/miRNA/sgRNA Expression Vector



Customer will specify their choice of AAV8 or AAV2 for ITRs.

Available services: Custom cloning, custom AAV

Retroviral Vectors

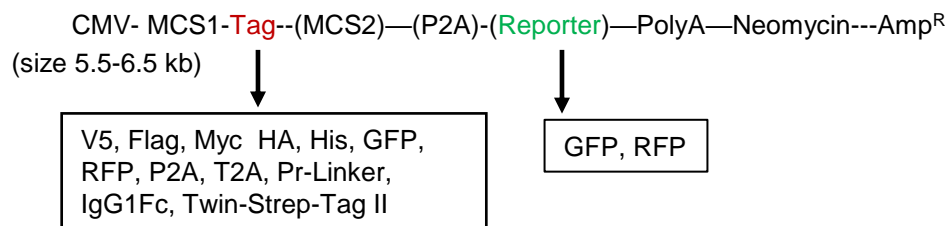
Retroviral cDNA Expression Vector

5'-LTR—MESV package--eEF1a---cDNA-V5—P2A--GFP—WPRE--3'-LTR—PolyA--Amp^R
(size 7.0 kb)

Available services: Custom cloning

Non-viral Vectors

Non-viral ORF cDNA expression vector



Available services: Custom cloning
Customer will specify their choice of N- or C-terminal tag