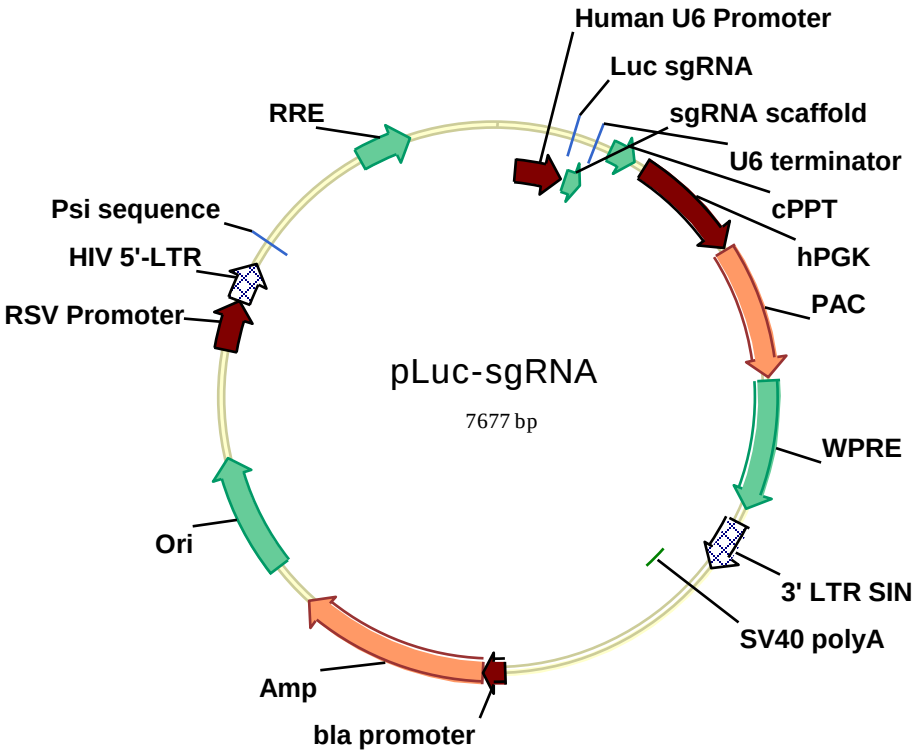

Description:

pLuc-sgRNA is a control sgRNA-expressing lentivector:

1. The expression of Luc sgRNA is controlled by human U6 promoter;
2. The sequence of Luc sgRNA is 5'- GGATTCTAAAACGGATTACC -3';
3. This sgRNA-expressing lentivector can be used as a negative control for CRISPR interference (CRISPRi), CRISPR activation (CRISPRa), or surrogate reporter assay.

Location of Features:

- U6 promoter : nt 96-344
- Luc sgRNA : nt 345-364
- sgRNA scaffold : nt 365-450
- U6 terminator : nt 451-456
- cPPT : nt 522-639
- hPGK promoter : nt 692-1198
- Puromycin (PAC) : nt 1210-1812
- WPRE : nt 1828-2416
- HIV 3'LTR : nt 2487-2722
- SV40 polyA : nt 2799-2929
- bla promoter : nt 3789-3887
- Amp : nt 3888-4745
- Ori : nt 4949-5489
- RSV promoter : nt 5974-6202
- HIV 5'LTR : nt 6203-6383
- Psi sequence : nt 6494-6538
- RRE : nt 7049-7290

Note:

U6 promoter sequencing primer (forward): 5'- TACAAAATACGTGACGTAG-3'.