



Description:

1. pLAS3w.FLuc.Ppuro was derived from pLAS3w.Ppuro;
2. A 1.65 kb DNA fragment encoding firefly luciferase gene (FLuc) was cloned into NheI and PmeI sites;
3. The firefly luciferase gene (FLuc) is expressed under the control of CAG promoter;
4. Puromycin resistant gene (PAC; puromycin N-acetyl-transferase) is expressed under the control of hPGK promoter.

Location of Features:

- CAG promoter: nt 235-1941
- FLuc gene: nt 1983-3635
- cPPT: nt 3696-3813
- hPGK promoter : nt 3869-4372
- PAC gene: nt 4394-4993
- WPRE: nt 5009-5597
- HIV 3'LTR: nt 5669-5913
- SV40 polyA: nt 5975-6105
- bla promoter: nt 6965-7063
- Amp: nt 7064-7921
- Ori: nt 8125-8665
- RSV promoter: nt 9150-9378
- HIV 5'LTR: nt 9379-9559
- Psi sequence: nt 9670-9714
- RRE: nt 10225-10466

Note:

CAG promoter sequencing primer (forward): 5'- CTGGTTATTGTGCTGTCTC -3'.