



Description:

pLKO_TRC010 (TRC1 vector) was derived from pLKO_TRC001 by replacing PAC with a CDS coding for a cleavable fusion protein of PAC-GSG-F2A-tGFP. This results in the expression of PAC and turboGFP simultaneously so that transduced cells can be selected by puromycin and monitored fluorescence under microscope.

Location of Features (for other features, please refer to pLKO.1-puro):

- Human U6 promoter: nt7905-8154
- Stuffer : nt8157-10025
- Human PGK promoter: nt4-508
- PAC: nt519-1115; GSG-F2A: nt1122-1220; turboGFP: nt1227-1925
- WPRE (woodchuck post-transcription regulation element): nt1931-2519

Note:

DNA sequences within lentiviral genome including both 5'LTR and 3'LTR (not included the whole stuffer sequence) had been verified by TRC.