



Description:

pLKO_TRC014 (TRC1 vector) was derived from pLKO_TRC001 with the following modification:

- (i) Replacement of PAC gene with a CDS coding for a cleavable fusion protein of PAC-GSGF2A-turboRFP-C. This results in the expression of PAC and turboRFP-C simultaneously so that transduced cells can be selected by puromycin and traced RFP fluorescence under microscope.

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

- Human U6 promoter: nt7317-7566
- Stuffer : nt7569-9437
- Human PGK promoter: nt4-508
- PAC: nt519-1115; GSG-F2A: nt1122-1220; turboRFP-C: nt1227-1922

Note:

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