



Description:

pLKO_TRC024 (TRC2 vector) was derived from pLKO_TRC005 with the following modification:

- (i) Replacement of PAC gene with a CDS coding for a cleavable fusion protein of bsd-GSGF2A-murine thy1.1. This results in the expression of bsd resistant protein and murine Thy1.1 simultaneously so that transduced cells can be selected by blasticidine and traced murine thy1.1 marker by antibody against thy1.1.

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

- Human U6 promoter: nt7389-7640
- Stuffer : nt7641-9509
- cPPT: nt9551-9668
- Human PGK promoter: nt4-508
- Bsd: nt519-914; GSG-F2A: nt1921-1019; mu thy1.1: nt11026-1514
- WPRE: nt529-2117

Note:

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