



Description:

pLKO_AS1009 (TRC2 vector) was derived from pLKO_TRC009 with the following modification: F2A coding sequences of Bsd-F2A-tRFP ORF on TRC009 (the expression of tRFP is not sufficient) were replaced by a peptide linker (LH(GS)₃S) to generate a bsd-L-tRFP-C fusion protein. This results in the expression of tRFP and bsd selection marker in transduced cells simultaneously.

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

- Human U6 promoter: nt7633-7882.
- Stuffer : nt7885-9753.
- shRNA cloning sites: *Age*I(nt7880)-*Eco*RI(nt9755)
- PGKp-Bsd-L-tRFP-C cassette: nt4-1637.

Note:

1. Since lentiviral transfer vector may undergo sequence re-arrangement and/or deletion when its ligated products were transformed into DH5α competent cells; to avoid that, *Stb13* (Invitrogen) is recommended for transformation.