



Description:

pLKO_AS1010 (TRC2 vector) was derived from pLKO_TRC010 with the following modification: PAC-F2A-tGFP ORF on TRC010 (the expression of tGFP is not sufficient) was replaced by an IRES-directed bicistronic cassette with the following configuration: eGFP-IRES-PAC. This results in the expression of eGFP and puromycin selection marker in transduced cells simultaneously.

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

- Human U6 promoter: nt8393-8644.
- Stuffer : nt8645-10513.
- shRNA cloning sites: AgeI(nt8640)-EcoRI(nt10515)
- PGKp-eGFP-IRES-PAC cassette: nt4-2518.

Note:

1. Since lentiviral transfer vector may undergo sequence re-arrangement and/or deletion when its ligated products were transformed into DH5 α competent cells; to avoid that, Stbl3 (Invitrogen) is recommended for transformation.