



Description:

pLAS3w.PtRFP-I2-Puro was derived from pLAS3w.Ppuro; in which, a bi-cistronic transcription unit driven by hPGK promoter was designed for the expression of tRFP and PAC selection marker. As a result, cells transduced with this virus would be able to express tRFP and puromycin selection marker.

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

- CAG promoter : nt172-1878
- Multiple cloning sites: nt1912-1978
- PGK promoter transcription cassette: nt2191-4692
- WPRE sequence: 4707-5295

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.
2. If plasmid-transformed Stbl3 cells grow slowly, try to transform it into HB101 or GM2163 *E. coli* strain for large-prep.