



Description:

pLAS5w.Pbsd was derived from pLAS2w.Pbsd by replacing CMVp with elongation factor 1 alpha promoter (EF1 α p).

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

- Elongation factor 1 alpha promoter : nt10-1268
- Multiple cloning sites: nt1359-1478
- Bsd expression cassette: nt1690-2612
- WPRE sequence: 2631-3219

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.
3. Xba I (*) site is blocked by overlapping dam methylation.