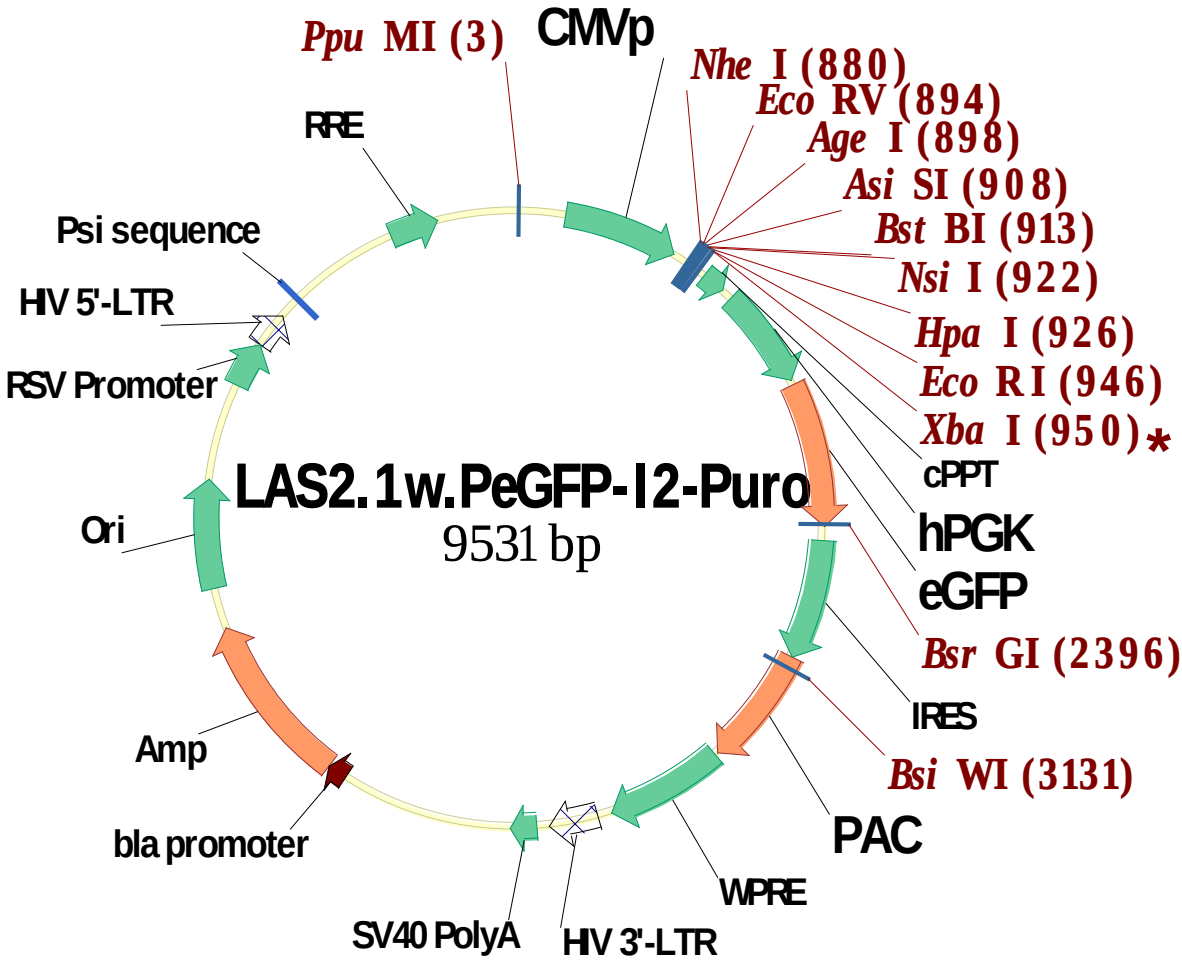

Description:

pLAS2.1w.PeGFP-I2-Puro was derived from pLAS2w.Ppuro; in which, a bi-cistronic transcription unit driven by hPGK promoter was designed for the expression of eGFP and puromycin selection marker. As a result, cells transduced with this virus would be able to express eGFP and puromycin selection marker.

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

- CMV promoter : nt234-802
- Multiple cloning sites: nt880-950
- PGK promoter transcription cassette: nt1159-3673
- WPRE sequence: 3688-4276

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, 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.**