



Description:

pLKO_AS3w.tRFP-C is a bi-cistronic lentivirus-expression-vector driven by CAG promoter (composed of CMV enhancer [CMVieEnh] and beta-actin promoter). TurboRFP-C gene was cloned into *BstXI* site of the pLKO_AS3w plasmid as a monitoring marker for virally transduced cells.

Location of Features (for other features, please refer to pLKO_AS3w):

- CAG promoter : nt241-1947
- Multiple cloning sites:
NheI(nt1981), *AscI*(nt1988), *EcoRI*(nt1995), *PstI*(nt2004), *PmeI*(nt2011)
- IRES of EMCV (IRES1): nt2014-2616
- TurboRFP-C gene: nt2614-3309

Note:

1. **Stbl3 (Invitrogen) bacteria is recommended to be used for transformation.**
2. **Please clone your gene of interest into *NheI* site where it provides AGC (followed by ATG coden of your gene) as a Kozak sequence for efficient translation.**