



### Description:

pLKO\_AS3.1.EGFP5' is a bicistronic lentiviral expression vector driving by CAG promoter (a chimeric promoter composed of CMV enhancer and beta actin promoter). Expression of EGFP is controlled by cap-dependent manner, which provides as a marker for sorting transduced cells. Gene of interest can be inserted into down stream of IRES2.

### Location of Features (other features are the same as pLKO\_AS2):

- CAG promoter : CMVieEnh (nt136-495); Beta Actinp (nt496-1842)
- EGFP: nt1881-2600
- Cloning site: *Bst*XI(nt3269), *Sma*I(nt3288), *Sal*I(nt3291), *Hinc*II(nt3293)
- IRES2 of EMCV (EMCVI): nt2672-3268

### Note:

- (1). Sequences from nt6-3600 had been confirmed by DNA sequencing.
- (2). Second gene has to be cloned into *Bst*XI site (by taking advantage of ATG of *Bst*XI site as translation initiation codon.