



Description:

pLKO_AS2 is a bicistronic lentiviral expression vector driving by CMV immediate early promoter, and translation of the second coding sequence (CDS) is controlled by IRES of EMCV.

Location of Features (other features are the same as pLKO.1-puro):

- CMV promoter : nt88-675
- Cloning sites:
 (I-CMVp): *NheI*(nt752), *AscI*(nt759), *EcoRI*(nt766), *PstI*(nt776), *PmeI*(nt782)
 (II-IRES): *BstXI*(nt1386), *SmaI*(nt1405), *SalI*(nt1408), *XbaI*(nt1414)
- IRES of EMCV (EMCVI): nt786-1388

Note:

- (1). Sequences from nt6685-1 and nt1-1502 had been confirmed by DNA sequencing.
- (2). Second gene has to be cloned into *BstXI* site (by taking advantage of ATG of *BstXI* site as translation initiation codon.