



Description:

pLKO_AS1 is a shRNA expression vector driving by U6 RNA PolII promoter. Two *BsmBI* sites (nt 245 and nt284) with different protruding ends on *BsmBI*-restricted AS1 vector were created for inserting shRNA sequence of interest. Please refer to protocols provided by RNAi Core for the details of shRNA construction (<http://>).

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

- U6 promoter : nt1-248
- Transcription (txn) initiation site of U6 promoter: nt249
- shRNA cloning site (*BsmBI*): nt245 (with ggtg protruding sequence)
nt284 (with atga protruding sequence)
- SV40 early promoter: nt525-834
- EM7p (synthetic bacterial promoter): nt852-919
- Puro (puromycin resistance gene): nt920-1519

Note: Sequences from nt6844-1 and nt1-1657 had been confirmed by DNA sequencing.