



Description:

pLKO_TRC001 (TRC1 vector) was derived from pLKO.1-puro with the following modification:

- (i) A 1.9 kb fragment of stuffer sequence was inserted into shRNA cloning sites, *AgeI* and *EcoRI*, of pLKO.1-puro. This allows one to monitor the cutting efficiency of the vector by observing the release of the 1.9 kb fragment from the vector after digesting it with *EcoRI* and *AgeI*.

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

- Human U6 promoter (U6p): nt6571-6818; Transcription start site:nt6819
- Stuffer : nt6822-8690
- cPPT (central polypurine tract): 8732-8849
- Human PGK promoter: nt1-507
- PAC (Puro; Puromycin acetyltransferase): nt529-1128

Note:

DNA sequences within lentiviral genome including both 5'LTR and 3'LTR (not included the whole stuffer sequence) had been verified by TRC.