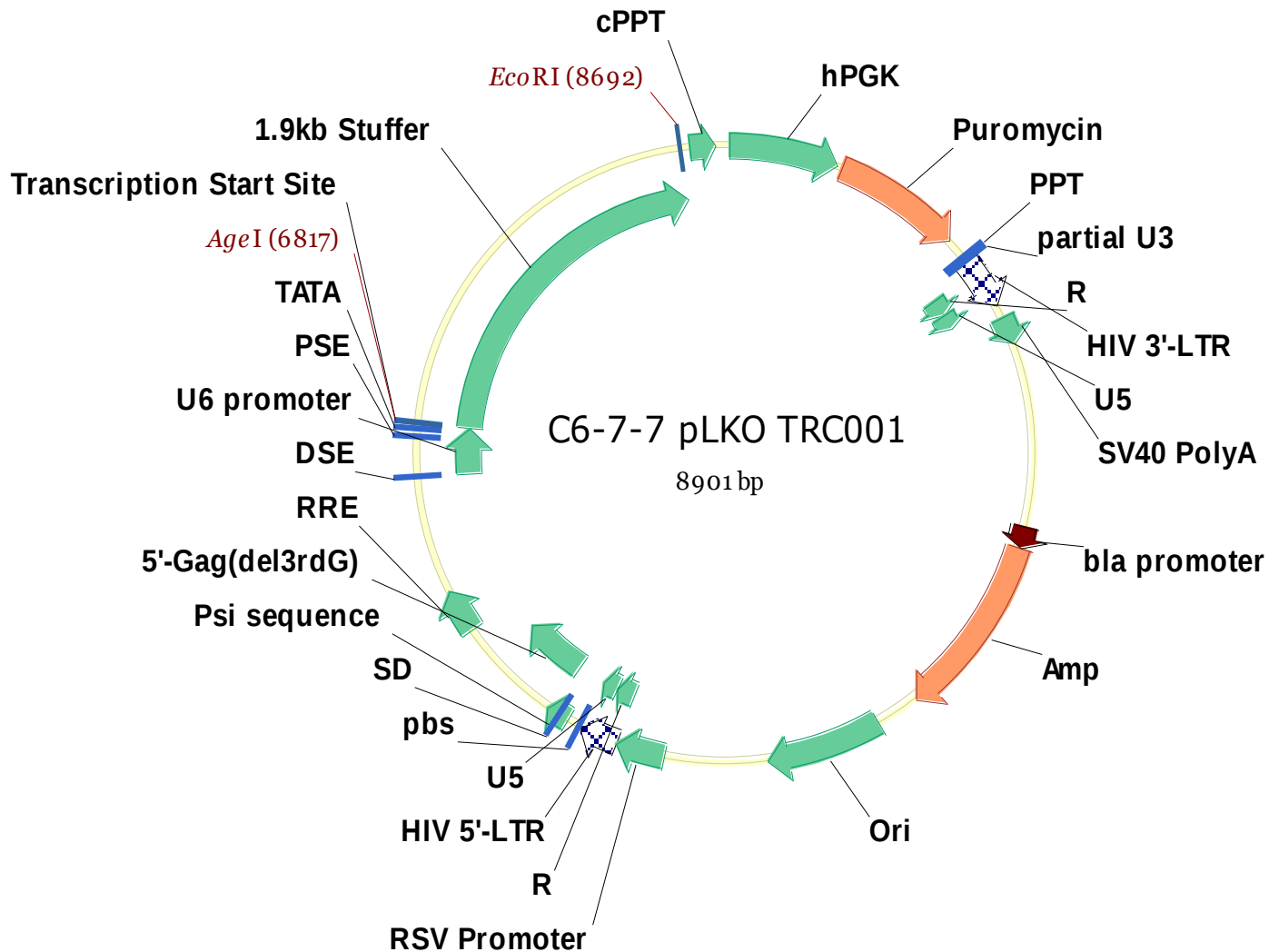




## Description:

pLKO\_TRC001 (TRC1 vector) was derived from pLKO.1-puro with the following modification: 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:

|                 |                |                 |                |
|-----------------|----------------|-----------------|----------------|
| • hPGK          | : nt 1-507     | • Ori           | : nt 3711-4251 |
| • Puromycin     | : nt 529-1128  | • RSV Promoter  | : nt 4736-4964 |
| • HIV 3'-LTR    | : nt 1255-1499 | • HIV 5'-LTR    | : nt 4965-5145 |
| • SV40 PolyA    | : nt 1561-1691 | • U6 promoter   | : nt 6571-6818 |
| • hPGK promoter | : nt 2090-2594 | • 1.9kb Stuffer | : nt 6822-8690 |
| • Amp           | : nt 2650-3507 | • cPPT          | : nt 8732-8849 |

## Note:

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