



Description:

pU6-sgRNA.pPuro is a sgRNA-expressing lentivector:

1. The expression of sgRNA is controlled by human U6 promoter;
2. The plasmid can be digested by *BsmBI*, which will remove the 1.9 kb stuffer and generate sticky ends for cloning of sgRNA oligos (please see [Protocol for sgRNA construction](#)).

Location of Features:

• U6 promoter	: nt 96-344	• HIV 3'LTR	: nt 4350-4585
• Stuffer	: nt 345-2227	• SV40 polyA	: nt 4662-4792
• sgRNA scaffold	: nt 2228-2313	• bla promoter	: nt 5652-5750
• U6 terminator	: nt 2314-2319	• Amp	: nt 5751-6608
• cPPT	: nt 2385-2502	• Ori	: nt 6812-7352
• hPGK promoter	: nt 2555-3061	• RSV promoter	: nt 7837-8065
• Puromycin (PAC)	: nt 3073-3675	• HIV 5'LTR	: nt 8066-8246
• WPRE	: nt 3691-4279	• Psi sequence	: nt 8357-8401
		• RRE	: nt 8912-9153

Note:

U6 promoter sequencing primer (forward): 5'- TACAAAATACGTGACGTAG-3'.