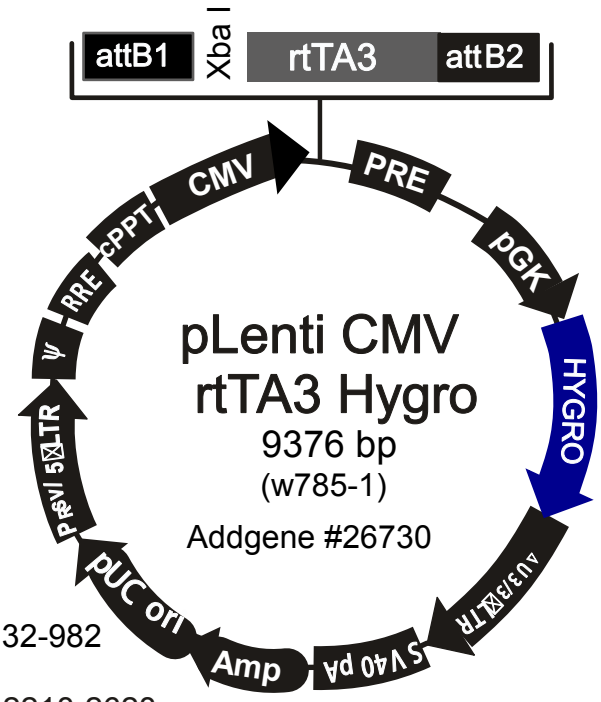


Comments for pLenti CMV rtTA3 Hygro
9376 nucleotides

bla promoter: bases 32-131
ampicillin resistance gene: bases 132-982
pUC origin: bases 1138-1810
RSV/5'LTR hybrid promoter: bases 2218-2628
HIV-1 psi (ψ)packaging signal: bases 2736-2781
HIV-1 Rev response element (RRE): bases 3272-3525
3'splice acceptor: base 3862
3'splice acceptor: base 3901
Central polypurine tract (cPPT): bases 4011-4073
CMV promoter: bases 4145-4730
attB1: bases 4764-4789
Reverse Tetracycline transactivator 3 (rtTA3) gene: bases 4791-5498
attB2: bases 5500-5525
Woodchuck post-transcriptional element (PRE): bases 5555-6148
Murine phosphoglycerate kinase (PGK) promoter: bases 6189-6699
Hygromycin resistance gene: bases 6717-7743
ΔU3/3'LTR: bases 8116-8350
SV40 polyadenylation signal: bases 8422-8557

This plasmid can be used to generate Tet-On advanced cell lines. It has been reported that it works better than other tetracycline repressor (Markusic et al. 2005).

Recommended *E.coli* strain for propagation: Stbl3 under ampicillin selection.

The rtTA3 cDNA was obtained from Dr. Dominic Esposito (SAIC Frederick)

Eric Campeau October 2010