

LV-CMV-rtTA for both in vitro and in vivo

SKU: PLV-10023

General Information

This strain carries the tetracycline reverse transcriptional activator (rtTA) under the control of the CMV promoter. The rtTA binds to tetracycline operator elements (TetO) in the presence of doxycycline, causing transcriptional activation of genes downstream of TetO.

This premade lentivirus includes both 5' and 3' lentiviral LTR and all necessary elements for effective transduction and expression of the target genes as well as antibiotics resistant genes or reporters. A woodchuck hepatitis virus posttranscriptional regulatory element (WPRE) is believed to promote RNA processing events and nuclear export, boosting expression of your gene of interest in target cells by facilitating the production of mature mRNA from transcripts initiated by the virus's internal promoter (e.g. pCMV).

This lentivirus expresses rtTA under the control of the CMV promoter.

Quick Facts:

Virus:	LV-CMV-rtTA
Titer (approx):	1 x 10 ⁸ CFU/mL
Vector Information:	Vector includes both 5' and 3' lentiviral LTR and all necessary elements for effective transduction; woodchuck hepatitis virus posttranscriptional regulatory element (WPRE)
Promoter for Target Gene:	CMV
Target Gene / Reporter(s):	rtTA
Selection Gene:	Puromycin
Shipped:	Dry ice
Storage:	Store at -80C

Comments: N/A

References: N/A