

LV-CMV-Renilla Luciferase for both in vitro and in vivo

SKU: PLV-10004

General Information

Luciferase is an enzyme that catalyzes the oxidation of luciferin to generate bioluminescence. Renilla luciferase refers to the enzyme that was isolated from the sea pansy, *Renilla reniformis*.

Premade lentiviral vectors include both 5' and 3' lentiviral LTR and all necessary elements for effective transduction and expression of the target genes as well as antibiotic 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 vector's internal promoter (e.g. pCMV).

Quick Facts:

Virus:	LV-CMV-Renilla luciferase
Titer (approx):	1×10^8 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):	Renilla luciferase
Selection Gene:	Neomycin
Biosafety Level:	BSL-2
Shipped:	Dry ice
Storage:	Store at -80C

Comments: N/A

References: N/A