

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

SKU: PLV-10002

General Information

Green fluorescent protein (GFP), a 27 kDa protein derived from the jellyfish *Aequorea victoria*, emits green light (emission peak at a wavelength of 509 nm) when excited by blue light (excitation peak at a wavelength of 395 nm). Green Fluorescent Protein (GFP) has become an invaluable tool in cell biology research, since its intrinsic fluorescence can be visualized in living cells.

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-GFP
Titer (approx):	1×10^8 TU/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):	GFP
Selection Gene:	Puromycin
Biosafety Level:	BSL-2
Shipped:	Dry ice
Storage:	Store at -80C

Comments: N/A

References: N/A