

LV-CMV-iPS-Set for both in vitro and in vivo

SKU: PLV-10030

General Information

This set contains four CMV-driven vectors: SOX2 (SKU PLV-10008), OCT3/4 (SKU PLV-10007), KLF4 (SKU PLV-10006) and C-MYC (SKU PLV-10005).

Each premade lentiviral vector 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 vector's internal promoter (e.g. pCMV).

Quick Facts:

Virus:	Set of factors (CMV-driven SOX2, OCT3/4, KLF4 and C-MYC)
Titer (approx):	1×10^8 CFU/mL
Vector Information:	Each 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):	SOX2, OCT3/4, KLF4, C-MYC
Selection Gene:	Puromycin
Biosafety Level:	BSL-2
Shipped:	Dry ice
Storage:	Store at -80C

Comments: N/A

References: N/A