

Product datasheet for PS100121

pLenti-EF1a-C-mGFP-P2A-Puro Lentiviral Gene Expression Vector

Product data:

Product Type: Lentiviral Gene Expression Vectors

C-Tag: mGFP

E. coli Selection: Chloramphenicol (34 ug/mL)

Mammalian Cell Selection: Puromycin

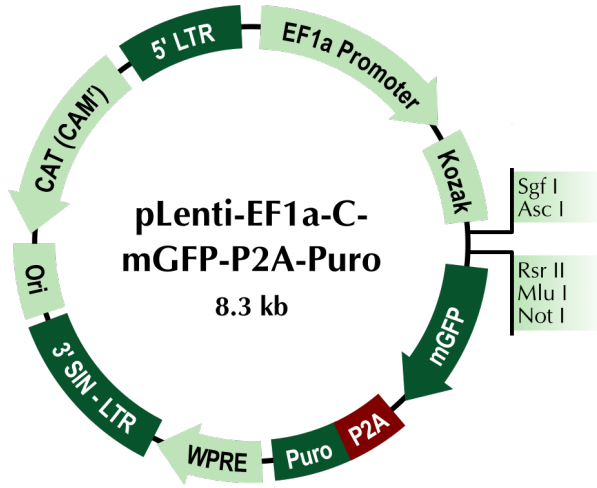
- Features:
- This Lenti vector is a third generation lentiviral vector.
 - The ORF cloned in this vector can be expressed as a tagged protein with C-terminal mGFP tag.
 - The expression of the cloned ORF is driven by EF1a promoter, a constitutive promoter.
 - P2A-Puro is within the Lentiviral packaging cassette and would allow puromycin selection in both the transfected and the transduced cells.
 - A brief [lentiviral packaging protocol](#) is provided.
 - E. Coli.* selection: Chloramphenicol (34ug/ml)
 - All OriGene's TrueORF clone can be shuttled into this vector via [PrecisionShuttling](#), a simple cut-and-ligation process.
 - EF51 Primer (GE100088) can be used to sequence the target sequence after cloning.
 - mGFP_R Primer (GE100125) can be used to sequence the target sequence after cloning.

Schematic of the multiple cloning sites:



[View online »](#)

Product images:



Kozak
Consensus

Sgf I

Asc I

Rsr II
Mlu I
Not I

Sgf I

EcoR I BamH I RBS

GTCGTGAGCGGCCGGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCCGCCGGATCGCC

Asc I Rsr II Mlu I Not I

GGCGCGCCAGATCTCAAGCTTAAGCTAGCTAGCGGACCGACG CGT ACG CGG CCG CTC GAG

T R T R P L E

mGFP tag

ATG AGC GGG GGC ----- GGA CTC AGA GTT TGG GTA GGA AGC

M S G G - - - - - G L R V