

## Product datasheet for PS100115

### pLenti-E/hSyn-C-mGFP-P2A-Puro Lentiviral Gene Expression Vector

#### Product data:

Product Type: Lentiviral Gene Expression Vectors

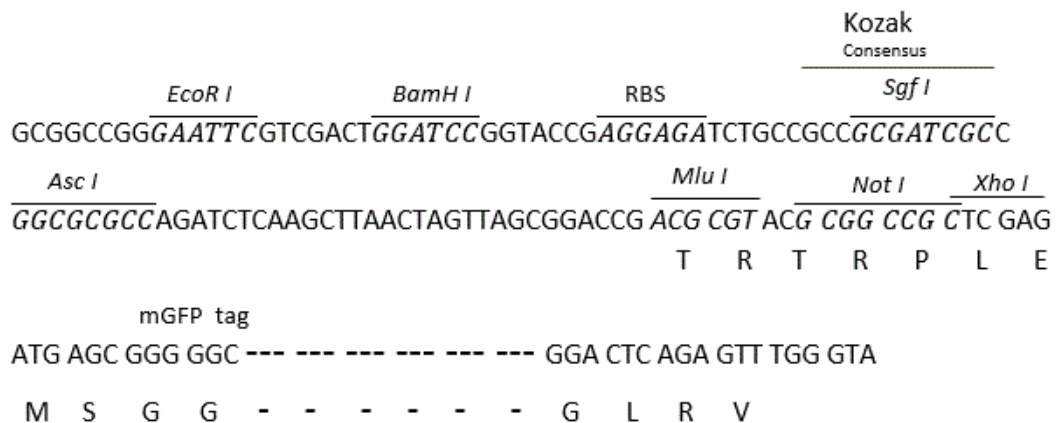
C-Tag: mGFP

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

Mammalian Cell Selection: Puromycin

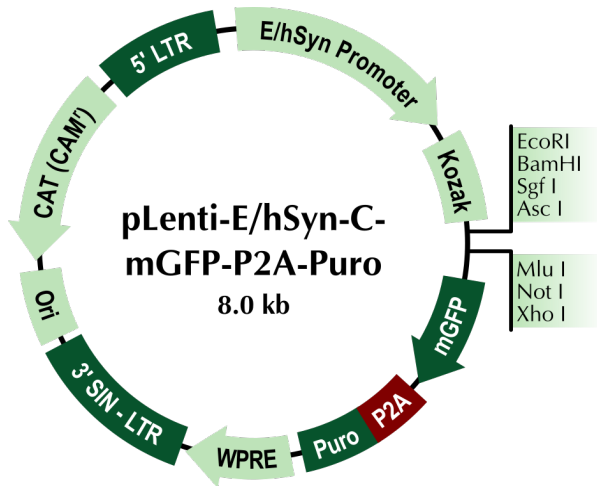
- Features:
- This Lenti vector is a third generation lentiviral vector.
  - The ORF cloned in this vector can be expressed as a tagged fusion protein with C-terminal mGFP tag.
  - The expression of the cloned ORF is driven by CMV enhancer and human synapsin I promoter, a neuron specific promoter.
  - 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.

#### Schematic of the multiple cloning sites:



[View online »](#)

Product images:



Kozak  
Consensus

Sgf I

*EcoRI*      *BamHI*      RBS      *Sgf I*

GCGGCCGGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

*Asc I*      *Mlu I*      *Not I*      *Xho I*

GGCGCGCCAGATCTCAAGCTTAAGTACTAGTACGGACCG ACG 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

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