

## Product datasheet for PS100109

### pLenti-P2A-Puro Lentiviral Gene Expression Vector

#### Product data:

Product Type: Lentiviral Gene Expression Vectors

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

Mammalian Cell Selection: Puromycin

- Features:
- This Lenti vector is a third generation lentiviral vector.
  - All OriGene's TrueORF clones can be shuttled into this vector via PrecisionShuttling, a simple cut-and-ligation process.
  - The ORF (no stop codon for P2A-Puro) cloned in this vector will be expressed as native protein, no tag.
  - 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 (34 ug/ml)
  - V2\_F Primer (GE100111) can be used to sequence the target sequence after cloning.
  - P2A-DDK\_R Primer (GE100128) can be used to sequence the target sequence after cloning.

#### Schematic of the multiple cloning sites:

```

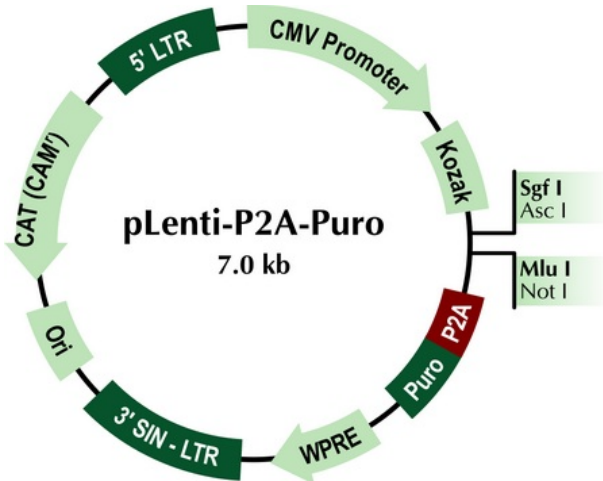
                                     Kozak
                                     Consensus
                                     _____
                                     Sgf I
                                     _____
                                     RBS
                                     _____
                                     BamH I
                                     _____
                                     EcoR I
CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
Asc I
_____
GGCGGCCAGATCTCAAGCTTAAGCTAGCTAGCGGACCGACGCGTACGCGGCCGCTC

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Product images:



EcoR I
BamH I
RBS
Kozak
Consensus  
Asc I
Rsr II
Mlu I
Not I
Sgf I

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCC  
 GGCGGCCAGATCTCAAGCTTAAGCTAGCTAGCGGACCGACGCGTACGCGGCCGCTC