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Product datasheet for PS100119

pLenti-PGK-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)

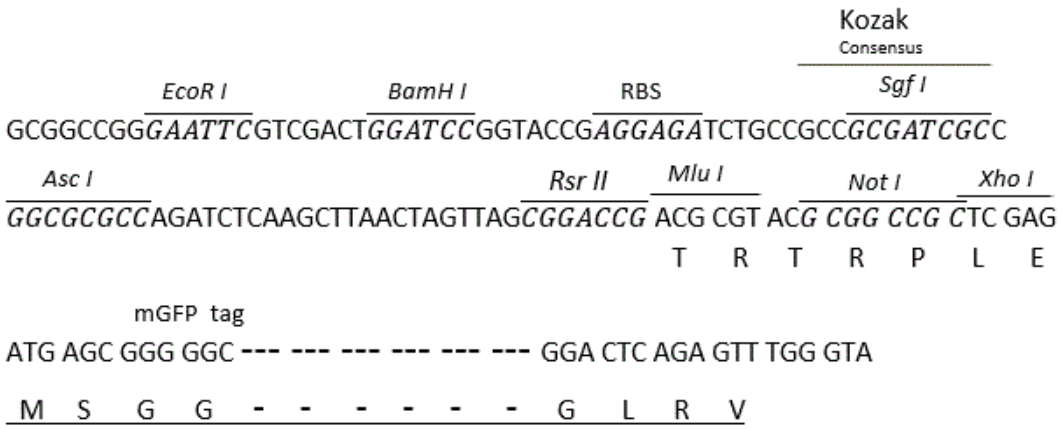
Mammalian Cell Selection: Puromycin

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 PGK 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.
- PGK_F Primer (GE100103) 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:



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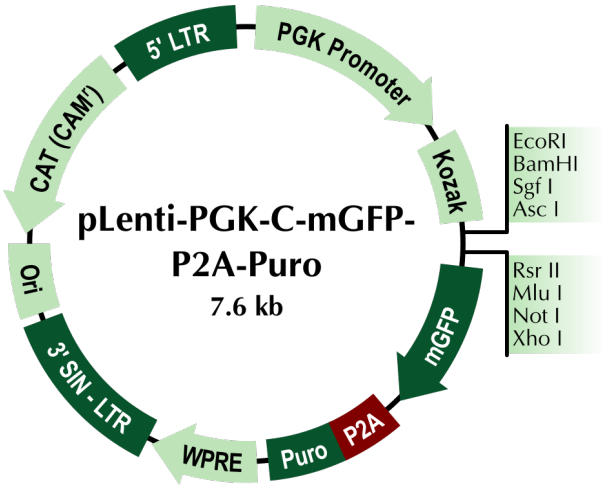
Product images:



Kozak Consensus

EcoR I BamH I RBS Sgf I

GCGGCCGG*GAATTC*GTCGACT*GGATCC*GGTACCG*AGGAGA*TCTGCCGCC*GCGATCGC*C

Asc I Rsr II Mlu I Not I Xho I

*GGCGCGCC*AGATCTCAAGCTTAACTAGTTAG*CGGACCG* ACG CGT AC*G CGG CCG C*TC 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

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