

## Product datasheet for **PS100107**

### pLenti-C-mCFP-P2A-BSD Lentiviral Gene Expression Vector

#### Product data:

Product Type: Lentiviral Gene Expression Vectors

C-Tag: mCFP

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

Mammalian Cell Selection: Blasticidin

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 cloned in this vector can be expressed as a tagged protein with c-terminal mCFP tag.
- P2A-BSD is within the Lentiviral packaging cassette and would allow blasticidin 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.
- mCFP\_R Primer (GE100124) can be used to sequence the target sequence after cloning.

#### Schematic of the multiple cloning sites:

```

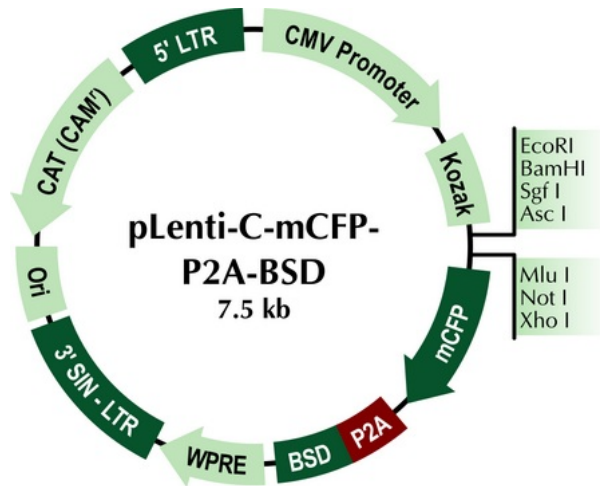
                                     Kozak
                                     Consensus
                                     Sgf I
                                     -----
                               EcoR I   BamH I   RBS
                               -----
CTATAGGGCGGCCGGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

                               Asc I   Rsr II   Mlu I   Not I   Xho I
                               -----
GGCGCGCCAGATCTCAAGCTTAAGTAGTTAGCGGACCGACGCGTACGCGGCCGCTCGAG ATG AGC
                                     M   S
                                     -----

GGG GGC  mCFP Tag  --- GGA CTC AGA GTT TGG GTA
G   G   -   -   -   -   -   G   L   R   V
  
```


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## Product images:



CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

GGCGCGCCAGATCTCAAGCTTAAGTCTAGCGGACCGACGCGTACGCGGCCGCTCGAG ATG AGC

GGG GGC *mCFP Tag* GGA CTC AGA GTT TGG GTA

G G - - - - - G L R V

*Asc I* *Rsr II* *Mlu I* *Not I* *Xho I*

*EcoRI* *BamHI* *RBS* *SgfI* *Kozak Consensus*