

Product datasheet for PS100110

pLenti-N-DDK-P2A-Puro Lentiviral Gene Expression Vector

Product data:

Product Type: Lentiviral Gene Expression Vectors

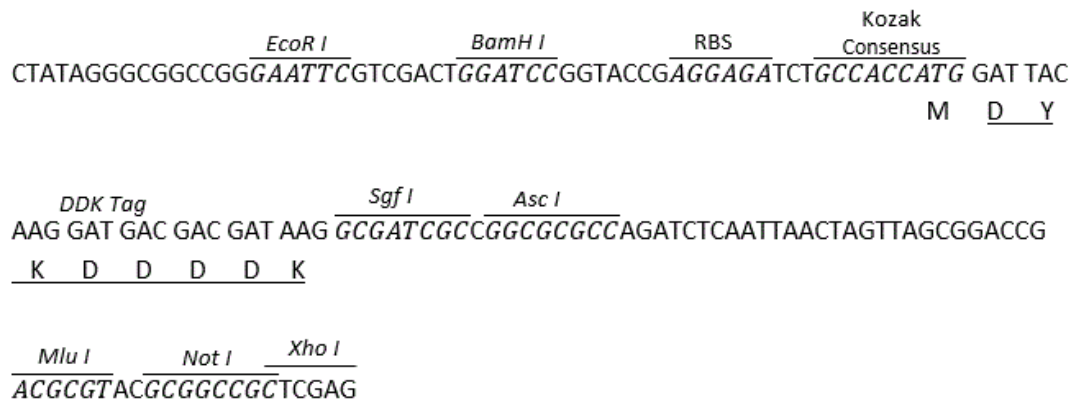
N-Tag: DDK

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

Mammalian Cell Selection: Puromycin

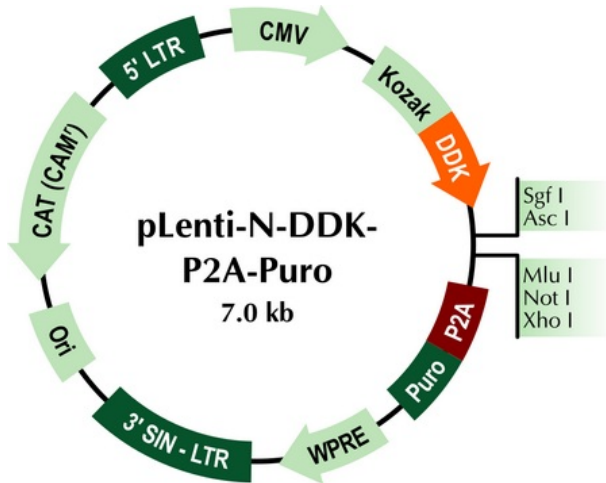
- Features:
- This Lenti vector is a third generation lentiviral vector.
- All OriGene's TrueORF clone can be shuttled into this vector via PrecisionShuttling, a simple cut-and-ligation process.
 - The ORF cloned in this vector can be expressed as a tagged protein with N-terminal DDK tag.
 - P2A-Puro 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 (34ug/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:



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Product images:



$\xrightarrow{\text{EcoR I}}$ CTATAGGGCGGCCGGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCCACCATG GAT TAC
 $\xrightarrow{\text{Kozak Consensus}}$

M D Y

$\xrightarrow{\text{DDK Tag}}$ AAG GAT GAC GAC GAT AAG $\xrightarrow{\text{Sgf I}}$ $\xrightarrow{\text{Asc I}}$ GCGATCGCCGGCGCGCCAGATCTCAATTAAGTTAGCGGACCG

K D D D D K

$\xrightarrow{\text{Mlu I}}$ $\xrightarrow{\text{Not I}}$ $\xrightarrow{\text{Xho I}}$

ACGCGTACGGCGCGCTCGAG