

Product datasheet for **PS100106**

pLenti-EF1a-N-HA-C-Myc-DDK-IRES-Puro Lentiviral Gene Expression Vector

Product data:

| | |
|---------------------------|------------------------------------|
| Product Type: | Lentiviral Gene Expression Vectors |
| C-Tag: | Myc-DDK |
| N-Tag: | HA |
| 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 expression of the cloned ORF is driven by EF1a, a constitutive promoter as an alternative of CMV promoter. The latter could be silenced in certain cellular environment.
- The ORF cloned in this vector can be expressed as a tagged protein with N-terminal HA tag and C-terminal Myc-DDK tag.
- IRES-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)
- EF51 Primer (GE100088) can be used to sequence the target sequence after cloning.
- IRES_R Primer (GE100120) can be used to sequence the target sequence after cloning.

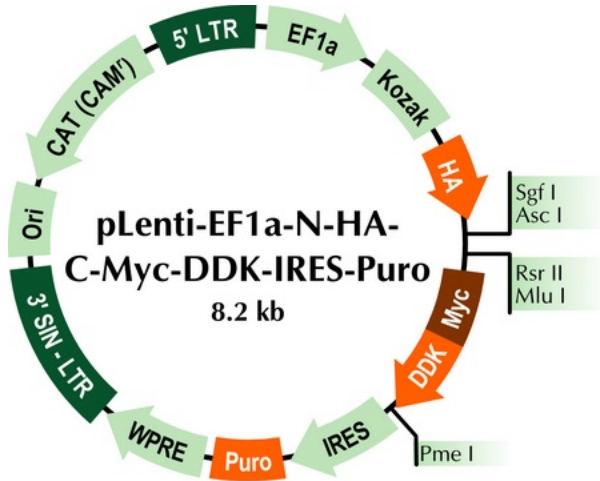


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Schematic of the multiple cloning sites:



Product images:



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          EcoR I          BamH I          RBS          Kozak
          GAAATTC      GGATCC      GAGAGATCT      GCCACC ATG
CTATAGGGCGGCCGGG      GTCGACTGGATCCGGTACCGAGGAGATCTGCCACC ATG TAC CCA
                                     M  Y  P

      HA Tag          Sgf I          Asc I
TAC GAT GTT CCA GAT TAC GCT GCG ATC GCC GCGCGCCAGATCTCAAGCTTAAGTACTAGCTAG
Y  D  V  P  D  Y  A  A  I  A

      Rsr II  Mlu I  Not I  Xho I          Myc Tag
CGGACCGACGCGTACGCGGCCG CTC GAG CAG AAA CTC ATC TCA GAA GAG GAT CTG GCA GCA
                               E  Q  K  L  I  S  E  E  D  L  |  A  A

      DDK Tag          Pme I
AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA AC
N  D  I  L  D  Y  K  D  D  D  D  K  V  stop
    
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