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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:	НА
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<u>PrecisionShuttling</u>, 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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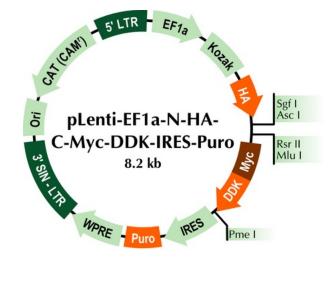
	pLenti-EF1a-N-HA-C-Myc-DDK-IRES-Puro Lentiviral Gene Expression Vector – PS100106
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Schematic of the multiple cloning sites:

CTATAGGGCGGCCGG	ECOR I	BamH I		RBS GGAGATCTG	Kozak Consensus	TAC CCA
					М	Y P
HA Tag	Sgf	1	Ascl			
TAC GAT GTT CCA GA	T TAC GCT GCG A	ATC GCC	GGCGCGCCA	GATCTCAAG	CTTAACTAGC	TAG
Y D V P D	Y A A	I A				
<u>Rsr II</u> <u>Mlu I</u> CGGACCGACGCGTAC	Not I Xho		^{Лус Тад} ААА СТС АТС	TCA GAA GA	AG GAT CTG G	CA GCA
		EQ	KLI	S E E	DL	A A
	DDK Tag			Pme I		
AAT GAT ATC CTG GA	T TAC AAG GAT G	GAC GAC G	GAT AAG <i>GTT</i>	TAA AC		
N D I L <u>D</u>	YKD	D D	<u>d k</u> v	stop		

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Product images:



 Ecor I
 BamH I
 RBS
 Consensus

 CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGATCCGGTACCGAGGAGATCTGCCACC ATG
 TAC CACC
 M
 Y
 P

 HA Tag
 Sgf I
 Ascl
 Ascl
 TAC GAT GTT CCA GAT TAC GCT
 GGCGCGCCCAGATCTCAAGCTTAACTAGCTAG

 Y
 D
 V
 P
 D
 Y
 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
 S
 E
 D
 L
 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
 K
 V
 stop

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