

## Product datasheet for PS100103

#### OriGene Technologies, Inc.

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## pLenti-C-Myc-DDK-P2A-BSD Lentiviral Gene Expression Vector

### **Product data:**

**Product Type:** Lentiviral Gene Expression Vectors

C-Tag: Myc-DDK

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 clone can be shuttled into this vector via <u>PrecisionShuttling</u>, a simple cut-and-ligation process.
- The ORF cloned in this vector can be expressed as a tagged protein with a C-terminal Myc-DDK 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.
- DDK-Myc\_R Primer (GE100115) can be used to sequence the target sequence after cloning.

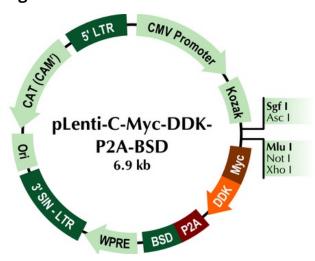
Schematic of the multiple cloning sites:

																	zak sensus	5
CTATAC				EcoR			_	BamH		CT 4 C		RBS		CT C	-		Sgf I	
CTATAG	GGCG(	эCC	GGG	AAT"	rcG	ICGA	ACTG	GATC	.C.G(	JIAC	CGAG	GAC	iΑΙ	CIG	CCGC	CGC	GAT (	CGCC
Asc I											Mlu I		,	Vot I		Xho	n /	
GGCGC	<i>GCC</i> AG	iAT(	CTCA	AGC	ГТАА	CTA	GCTA		sr II GAC			T AC	_		CCG	_		CAG
											T R	Т		R	Р	L	E	Q
	Myc ta	ıg													D	DK ta	g	
AAA CTO	C ATC T	CA	GAA	GAG	GAT	CTG	GCA	GCA	AAT	GAT	ATC (	TG (	GAT	TAC	AAG	GAT	GAC	GAC
K L	1	S	E	Ε	D	<u>L</u>	Α	Α	Ν	D	Ι	L	D	Υ	K	D	D	D
GAT AA	GGII	IGG	GIA	GGA	AG													
<u>D K</u>	V	W																





# **Product images:**



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CTA	ATAG	GGC	GGC	GGG	EcoR GAAT		TCGA		BamH GAT (		STAC	_	RBS GAG	ATCT	GCCG	CC <i>GC</i>	Sgf GAT	r CGC
	Asc I									sr II		Mlu I		Not			10 I	
GG	CGC	GCCI	4GAT	CTC	4AGC	TTAA	CTA	GCTA	GCG	GAC	CGA(	CG CG	TAC	G CGO	G CCC	<i>C</i> TC	GAG	CAG
												T R	Т	R	Р	L	<u>E</u>	Q
		Мус	tag													DDK ta	ıg	
AA	A CTO	CATO	CTCA	GAA	GAG	GAT	CTG	GCA	GCA	AAT	GAT	ATC (	TG G	AT TA	AC AA	G GA	ΓGA	C GAC
K	L	I	S	Ε	Ε	D	L	Α	Α	Ν	D	- 1	L	D '	Y K	D	D	D
GA	T AA	G GT	T TG	G GT	AGGA	AG												
	<u>K</u>	V	W															