

Product datasheet for PS100113

OriGene Technologies, Inc.

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Kozak

pLenti-hSyn-C-mGFP-P2A-Puro Lentiviral Gene Expression Vector

Product data:

Product Type: Lentiviral Gene Expression Vectors

C-Tag: mGFP

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

Mammalian Cell

Selection:

Puromycin

Features: This Lenti vector is a third generation lentiviral vector.

- The ORF cloned in this vector can be expressed as a tagged fusion protein with C-terminal mGFP tag.
- The expression of the cloned ORF is driven by human synapsin I promoter, a neuron specific promoter.
- 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)
- All OriGene's TrueORF clone can be shuttled into this vector via <u>PrecisionShuttling</u>, a simple cut-and-ligation process.
- Syn F Primer (GE100108) can be used to sequence the target sequence after cloning.
- mGFP_R Primer (GE100125) can be used to sequence the target sequence after cloning.

Schematic of the multiple cloning sites:

											Consensus						
	EcoR I					BamH I				RBS				Sgf I			
$GCGGCCGG\overline{GAATTC}GTCGACT\overline{GGATCC}GGTACCG\overline{AGGAGA}TCTGCCGCC\overline{GCGATCGC}CCCC$																	
Asc	Asc I									Mlu I				No	Xho I		
GGCG	<i>CGCC</i> A	GATC	TCAA	AGC1	ΠΑΑ	CTA	ιGΠ	AGC	GGA	CCG	ACG	CGT	$AC\overline{G}$	CGG	CCG	CTC (GAG
											T	R	Т	R	Р	L	Ε
	mG	FP ta	g														
ATG A	GC GGG	GGC							GGA	CTC	AGA	GΠ	TGG	GTA			
М	S G	G	-	-	-	-	-	-	G	L	R	٧					





Product images:



