

Product datasheet for **PS100094**

pLenti-mRFP-P2A-Puro Lentiviral Gene Expression Vector

Product data:

Product Type: Lentiviral Gene Expression Vectors

C-Tag: mRFP

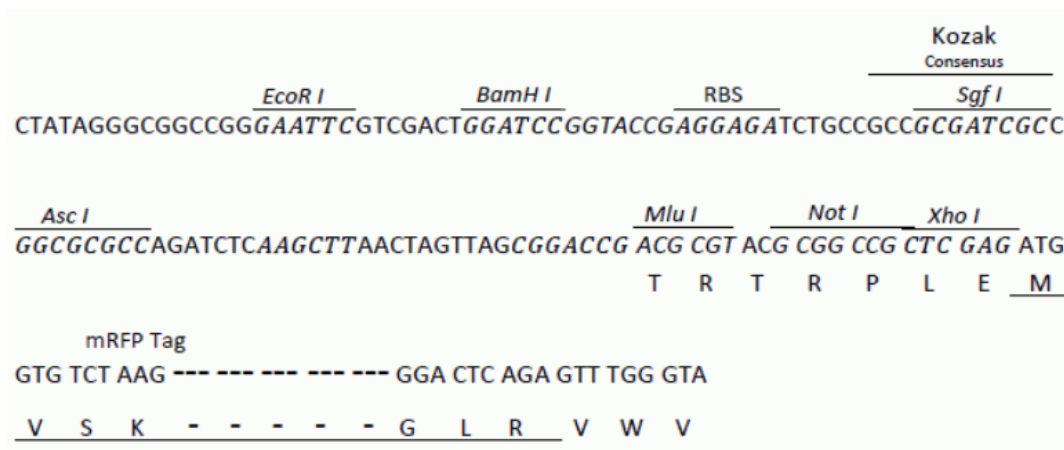
E. coli Selection: Chloramphenicol (34 ug/mL)

Mammalian Cell Selection: Puromycin

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

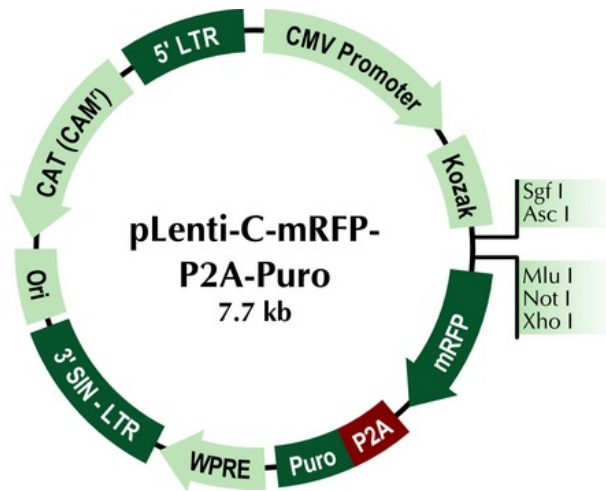
- All OriGene's TrueORF clone can be shuttled into this vector via PrecisionShuttling, a simple cut-and-ligation process.
- The ORF cloned in this vector can be expressed as a tagged protein with a C-terminal monomeric RFP tag.
- P2A-Puro is within the Lentiviral packaging cassette and would allow puromycin 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.
- RFP_R Primer (GE100134) can be used to sequence the target sequence after cloning.

Schematic of the multiple cloning sites:



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Product images:



	<u>EcoR I</u>	<u>BamH I</u>	<u>RBS</u>	<u>Kozak Consensus</u>
				<u>Sgf I</u>
CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC				
<u>Asc I</u>		<u>Mlu I</u>	<u>Not I</u>	<u>Xho I</u>
GGCGGCCAGATCTCAAGCTTAAGTAGTTAGCGGACCG	ACG CGT ACG CGG CCG CTC GAG ATG			
	T R T R P L E M			
mRFP Tag				
GTG TCT AAG ----- GGA CTC AGA GTT TGG GTA				
V S K - - - - G L R V W V				