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Product datasheet for PS100072

pLenti-EF1a-C-tGFP Lentiviral Gene Expression Vector

Product data:

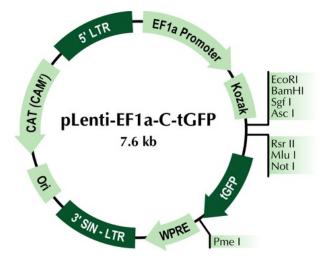
Product Type:	Lentiviral Gene Expression Vectors
C-Tag:	tGFP
E. coli Selection:	Chloramphenicol (34 ug/mL)
Features: •	This Lenti vector is a third generation of lentiviral vector. All OriGene's TrueORF clone can be shuttled into this vector via PrecisionShuttling, a simple cut-and-ligation process. The ORF cloned in this vector can be expressed as a tagged protein with a C-terminal tGFP
•	 tag. 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. A brief <u>lentiviral packaging protocol is provided</u>. <i>E. Coli</i> selection: Chloramphenicol(34ug/ml) EF51 Primer (GE100088) can be used to sequence the target sequence after cloning. AC_GFP_R Primer (GE100113) can be used to sequence the target sequence after cloning.
Schematic of the multiple cloning sites:	pLenti-EF1a-C-tGFP Kozak Ecor I BamH I RBS Sgf I Asc I CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGGCGCGGCGCGGCGCGCGC
	Rsr II <u>Mlu I</u> Not I tGFP Tag CAAGCTTAACTAGTTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC T R T R P L E <u>M E S D</u>

--- GAA GAA AGA GTT TAA ACGGCCGGCCGCGG - - E E R V stop



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Product images:



 Ecor I
 BamH I
 RBS
 Sgf I
 Asc I

 CTATAGGGCGGCCGGGAATTCGTCGGCTGGGATCCGCGGGTACCGGGGAGATCTGCCGCCGCGCCCGGGCCCAGATCT

 Rsr II
 Mlu I
 Not I
 tGFP Tag

 CAAGCTTAACTAGTTAGCGGACCG
 ACG CGT ACG CGG CCG CCG GAG ATG GAG AGC GAC --- -- T
 R

 T
 R
 T
 R
 P
 L
 E
 M
 E
 S
 D

---- GAA GAA AGA GTT TAA ACGGCCGGCCGCGG - - E E R V Stop

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