

Note: This plasmid was published with different name pLCA.71/2272

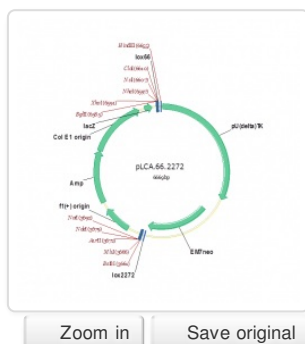
A backbone vector was designed for assembling gene targeting constructs using the recombineering approach and the Cre-lox system. The vector contains a puromycin-Dthymidine kinase fusion gene driven by the mouse phosphoglycerol kinase promoter (pUDTK) and a neomycin resistant gene driven by the bacterial EM7 promoter (EM7neo). These selectable markers are flanked by minimal (34 bp) lox66 and lox2272 sites (Cre-recombinase recognition sequences) in a pBluescript KS+ backbone with a modified multi-cloning region.

Keywords: [RMCE](#) [puro\(delta\)TK](#) [Lox2272](#) [Lox66](#) [EM7neo](#)

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Vector Annotations

Vector Map



Genbank File	pLCA.66.2272.gb
Backbone Vector	pBluescript KS+
Construct Size	6,666 bp (approximate)
Bacterial Stock	No
Storage Temperature	-20 °C
Stock Concentration	0.1 µg/µL
Addgene	22733

Source

Laboratory	Mark Magnuson
Made by	Jared Burlison & Kathy Shelton
Stock Date	December 23, 2008

Inventory Location

Private

Publications / Citations

1. Quantification of factors influencing fluorescent protein expression using RMCE to generate an allelic series in the ROSA26 locus in mice. Chen SX, Osipovich AB, Ustione A, Potter LA, Hipkens S, Gangula R, Yuan W, Piston DW, Magnuson MA (2011) *Dis Model Mech* **4**(4): 537-47
 > Primary publication · [21324933](#) (PubMed) · [PMC3124063](#) (PubMed Central) · Added on 11/8/2013

MeSH Terms

- Alleles
- Animals
- Chromosomes, Artificial, Bacterial
- Embryo, Mammalian
- Embryonic Stem Cells
- Fluorescence
- Genetic Loci
- Genetic Vectors
- Luminescent Proteins
- Mice
- Mutagenesis, Insertional
- Organ Specificity
- Proteins
- Rabbits
- Recombinases
- RNA, Untranslated