

**Note: This plasmid was published with different name called pMCS.66.2272.**

This is a basal exchange vector for RMCE containing heterotypic LoxP sites. A lox71 site, flanked by Sac I and Not I, and a lox2272 site, flanked by Xho I and Kpn I, were inserted into the same sites of pBluescript KS+. Oligonucleotide pairs containing a lox71 site, flanked by Sac I and Not I, and a lox2272 site, flanked by Xho I and Kpn I, were synthesized, kinased, annealed, and ligated into the same sites of pBluescript KS+.

Oligonucleotide sequences (lox sites are indicated in upper case):

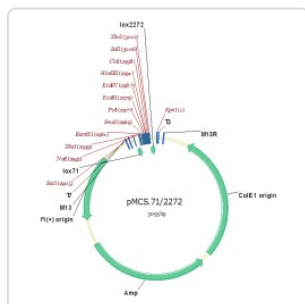
- lox66.Sac/Not1 5'-cATAACTTCGTATAATGTATGCTATACGAACGGTAgc-3'
- lox66.Sac/Not2 5'-ggccgcTACCGTTCGTATAGCATAACATTATACGAAGTTATgagct-3'
- lox2272.Xho/Kpn1 5'-tcgagATAACTTCGTATAAAGTATCCTATACGAAGTTATggtac-3'
- lox2272.Xho/Kpn2 5'-cATAACTTCGTATAGGATACTTTATACGAAGTTATc

Keywords: [RMCE](#) [Lox2272](#) [Lox71](#)

Expand

## Vector Annotations

### Vector Map



Zoom in

Save original

Genbank File [pMCS.712272.gb](#)

Backbone Vector pBluescript KS+

Construct Size 3,055 bp (approximate)

Bacterial Stock No

Storage Temperature -20°C

Stock Concentration 0.1 µg/µL

Addgene [22732](#)

## Source

Laboratory Mark Magnuson

Made by Kathy Shelton

## 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

---


---

**Stock Date**

December 23, 2008

---

## Attachment

 [bsl66.2272.pdf](#) - Added on September 25, 2009 at 12:00 AM by Rama Gangula

---