pART Companion Vector for Gene Expression in *Mycobacterium tuberculosis* and *Escherichia coli*

**Catalog No. NR-13410**
This reagent is the tangible property of the U.S. Government.

**Product Description:** pART is a companion vector that can be used in either *Escherichia coli* or *Mycobacterium tuberculosis*. The pART vector contains origins of replication for both organisms, Mycobacteriophage L5 integrase CDS and attP site, a *Mycobacterium smegmatis* acetamidase promoter region and the *Streptomyces coelicolor* tetracycline repressor CDS.

Lot: 59310230              Manufacturing Date: 16JUN2010

QC testing was performed by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH). The Colorado State University documentation is attached.

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Recombinant Plasmid Quality Control Record

Plasmid designation  pART

BEI Product Item Number  NR-13410

BEI Lot Number  59310230

CSU Lot Number  10.pART.6.16

Notebook/Pgs  Noebook #5/Page 23 (NKG)

Notebook detail

Media used  LB

Culture size  250 mL

Growth conditions:  Temp 37  Time 18 hrs  Shaker speed 200

Plasmid prep type (mini/maxi, kit name or protocol) Qiagen HiSpeed Plasmid Midi Kit (Cat. No. 12643)

Plasmid prep detail:  Midi prep Qia100 tip and elution conditions

Strain used to produce plasmid  TOP10

E. coli ori? Y/N  Y

Contains Mycobacterial ori? Y/N  Y

Final concentration  158.97 ng/μL

Total Stocks  119

Buffer  TE

Method used for quantifying  nanodrop

QC gel – N/A

Restriction enzymes used in QC analysis  N/A

Expected size of restriction fragments

Created on 7/9/2010 11:16:00 AM
Vector: N/A
Insert: N/A
Other: N/A

Gel description: file number, % agarose, buffer: N/A

Molecular weight markers: N/A

Generated by: [Signature] Date: 8/19/10

Supervisor: [Signature] Date: 8/20/10

Form 4.2.09.KMD