

**Plasmid pMRLB.55 Containing Gene Rv3006 (Protein LppZ) from *Mycobacterium tuberculosis* for Expression in *Mycobacterium smegmatis***

**Catalog No. NR-13305**

This reagent is the tangible property of the U.S. Government.

**Product Description:** NR-13305 is a recombinant expression vector containing *Mycobacterium tuberculosis* gene Rv3006, which encodes the probable conserved lipoprotein, LppZ. Gene Rv3006 was amplified by PCR and cloned into pVV16 for expression in *Mycobacterium smegmatis*.

**Lot: 07.EC.05.23**

**Manufacturing Date: 23MAY2007**

TEST	SPECIFICATIONS	RESULTS
<b>Agarose Gel Electrophoresis (see attached QC Gel)<sup>1</sup></b> Linearization with <i>NdeI</i> Linearization with <i>HindIII</i> Digestion with <i>NdeI</i> and <i>HindIII</i>	~ 6.94 kb ~ 6.94 kb ~ 1.118 kb (insert); ~ 5.82 kb (vector)	Pending Pending Pending
<b>Concentration by OD<sub>260</sub></b>	Report results	0.1 µg/µL
<b>Absorbance Ratio (OD<sub>260</sub>/OD<sub>280</sub>)</b>	Report results	1.9

<sup>1</sup>Performed by Colorado State University under the TB Vaccine Testing and Research Materials Contract (NIH)

**Date:** 31 AUGUST 2009

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication or designee

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QC gel

Restriction enzymes used in QC analysis:

NdeI and HindIII

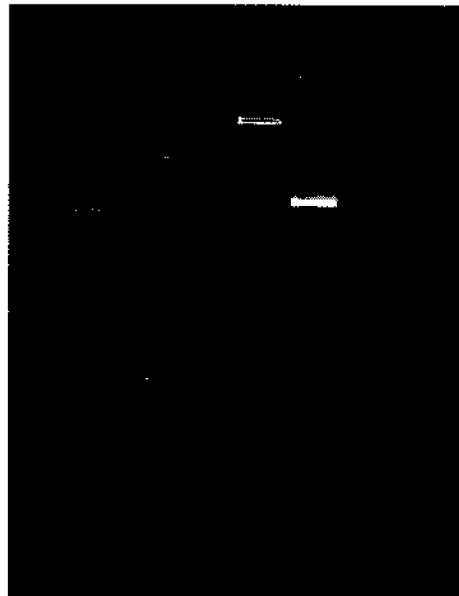
Expected size of restriction fragments

Vector            5.822 kb pVV16  
Insert            1.118 Rv3006  
Other            6.940 kb linearized plasmid – single digests

Gel description (file number, % agarose, buffer) pMRLB55-QCgel062007, 1.5%, 1X TAE

Molecular weight markers    New England Biolabs 1 kb ladder

Kilobases	Mass (ng)
10.0	42
8.0	42
6.0	50
5.0	42
4.0	33
3.0	125
2.0	48
1.5	36
1.0	42
0.5	42



Left->right

NEB 1 kb ladder

pMRLB55.Rv3006 uncut

pMRLB55.Rv3006/NdeI

pMRLB55.Rv3006/HindIII

pMRLB55.Rv3006/NdeI + HindIII

Generated by Melody McConnell Date 10/15/2007  
Supervisor [Signature] Date 10/18/2007