

**Plasmid pMRLB.63 Containing Gene Rv3841 (Protein BfrB) from *Mycobacterium tuberculosis* for Expression in *Mycobacterium smegmatis***

**Catalog No. NR-13313**

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

**Product Description:** NR-13313 is a recombinant expression vector containing *Mycobacterium tuberculosis* gene Rv3841, which encodes a probable bacterioferritin, BfrB. Gene Rv3841 was amplified by PCR and cloned into pVV16 for expression in *Mycobacterium smegmatis*.

**Lot: 09.EC.2.17**

**Manufacturing Date: 17FEB2009**

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>	~ 6.37 kb ~ 6.37 kb ~ 0.56 kb (insert); ~ 5.82 kb (vector)	<b>Pending</b> ~ 6.37 kb ~ 0.56 kb; ~ 5.82 kb
<b>Concentration by OD<sub>260</sub></b>	Report results	0.08 µg/µL
<b>Absorbance Ratio (OD<sub>260</sub>/OD<sub>280</sub>)</b>	Report results	1.7

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

**Date:** 09 NOV 2009

**Signature:** Signature on File

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

ATCC<sup>®</sup>, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC<sup>®</sup>'s knowledge.

ATCC<sup>®</sup> is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.



QC gel

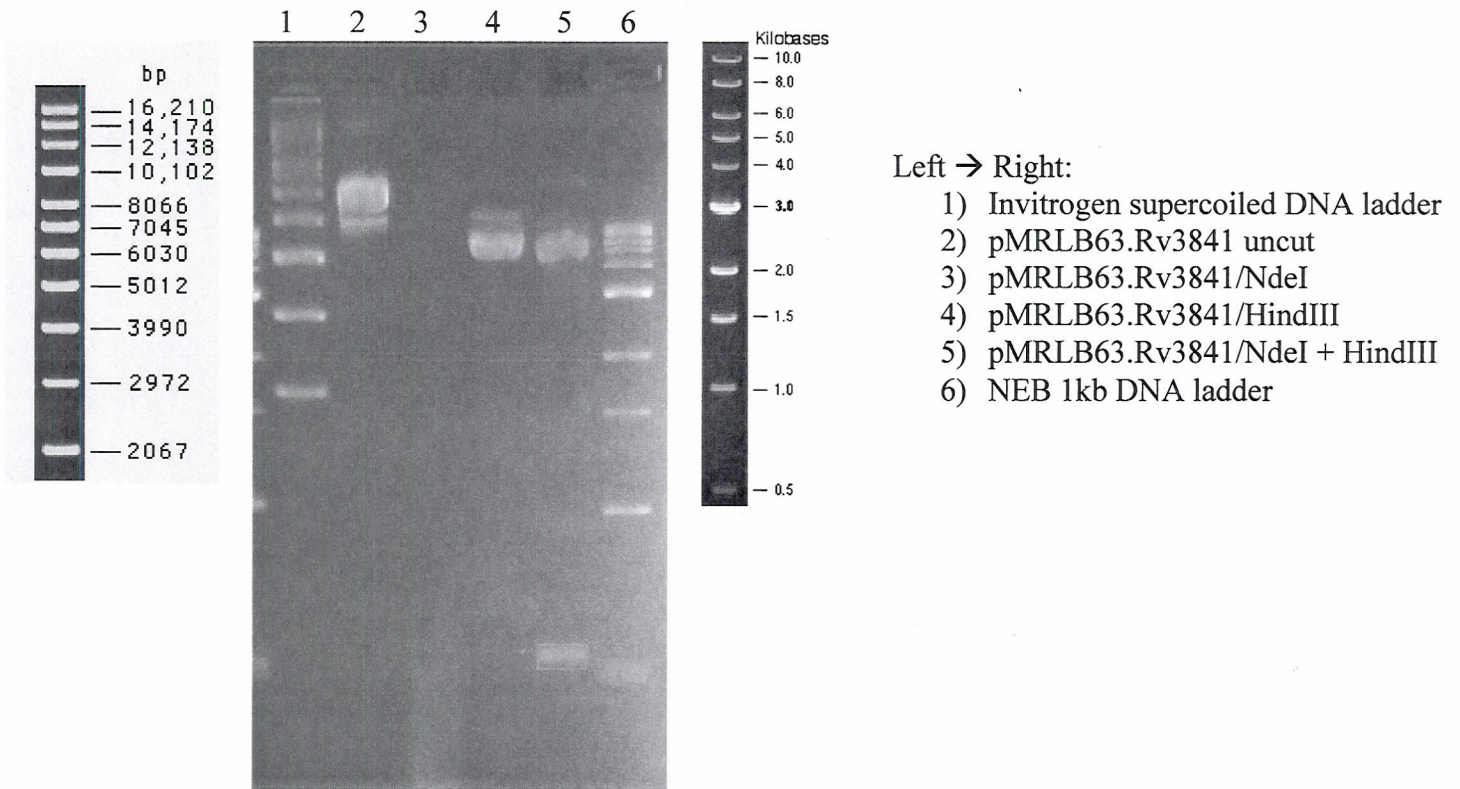
Restriction enzymes used in QC analysis:

NdeI & HindIII

Expected size of restriction fragments

Vector            5.822 kb pVV16 + NdeI + HindIII  
Insert            0.546 kb Rv3841 + NdeI + HindIII  
Other             6.368 kb linearized plasmid – NdeI, HindIII single digests

Gel description (file number, % agarose, buffer) mmcontract1 pp79, 2%, 1X TAE  
Molecular weight markers    Invitrogen supercoiled DNA ladder, NEB 1kb DNA ladder



Revised  
Generated by Megan Lugo Date 11-5-09  
Supervisor [Signature] Date 11/5/2009