b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

# Certificate of Analysis for NR-15617

## Plasmid pMRLB.68 Containing Gene Rv3846 (Protein SodA) from *Mycobacterium tuberculosis*

**Catalog No. NR-15617**

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

**Product Description:** NR-15617 is a recombinant expression vector containing *Mycobacterium tuberculosis* gene Rv3846, which encodes the protein superoxide dismutase (SodA). Gene Rv3846 was amplified by PCR and cloned into pDEST17 for expression in *Escherichia coli.* The gene was cloned without a signal sequence. The expressed protein is histidine-tagged and has an observed molecular weight of 25 kDa.

**Lot: 09.EC.3.17.pMRLB.68.Rv3846** **Manufacturing Date: 17MAR2009**

---

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.

ATCC®, 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®'s knowledge.

Support Provided by NIAID



**BEI Resources**
www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

# Recombinant Plasmid Quality Control Record

Plasmid designation pMRLB68.Rv3846 (sodA in pDEST17)

Lot Number 09.EC.3.17.pMRLB.68.Rv3846

Notebook/Pgs mmcontract1/pp 130-133
Notebook detail Plasmid prep pp 130-133
QC gel pp 133

Media used LB broth + 100 µg/ml ampicillin

Culture size 1 × 150 milliliter

Growth conditions Temp 37 deg Time 24 hr Shaker speed 130 rpm
Comment:

Plasmid prep type (mini/maxi, kit name/protocol) Qiagen Midi Prep protocol

Plasmid prep detail Lysate prep – Qiagen Midi prep buffer volumes
Lysate clearing by filtration
Purification (wash and elution) – Qiagen HiSpeed tips

Strain used to produce plasmid TOP10

*E. coli* ori? Y/N yes

Contains Mycobacterial ori? Y/N no

Final concentration 0.0237 µg/µl

Buffer 10 mM Tris/1mM EDTA, pH 8.0

Method used for quantifying Nanodrop