

**Plasmid pMRLB.42 Containing Gene Rv0899 (Protein OmpA) from *Mycobacterium tuberculosis***

**Catalog No. NR-13293**

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

**Product Description:** NR-13293 is a recombinant expression vector containing *Mycobacterium tuberculosis* gene Rv0899, which encodes outer membrane protein A, OmpA. Gene Rv0899 was amplified by PCR and cloned into pET15b for expression in *Escherichia coli*.

**Lot: 03.EC.09.10**

**Manufacturing Date: 10SEP2003**

TEST	SPECIFICATIONS	RESULTS
<b>Agarose Gel Electrophoresis (see attached QC Gel)<sup>1</sup></b> Linearization with <i>NdeI</i> Linearization with <i>BamHI</i> Linearization with <i>SmaI</i> Digestion with <i>NdeI</i> and <i>BamHI</i>	~ 6.5 kb ~ 6.5 kb ~ 6.5 kb ~ 0.84 kb (insert); ~ 5.7 kb (vector)	~ 6.5 kb 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	1.89

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

**Date:** 30 OCT 2009

**Signature:** Signature on File

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

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QC gel

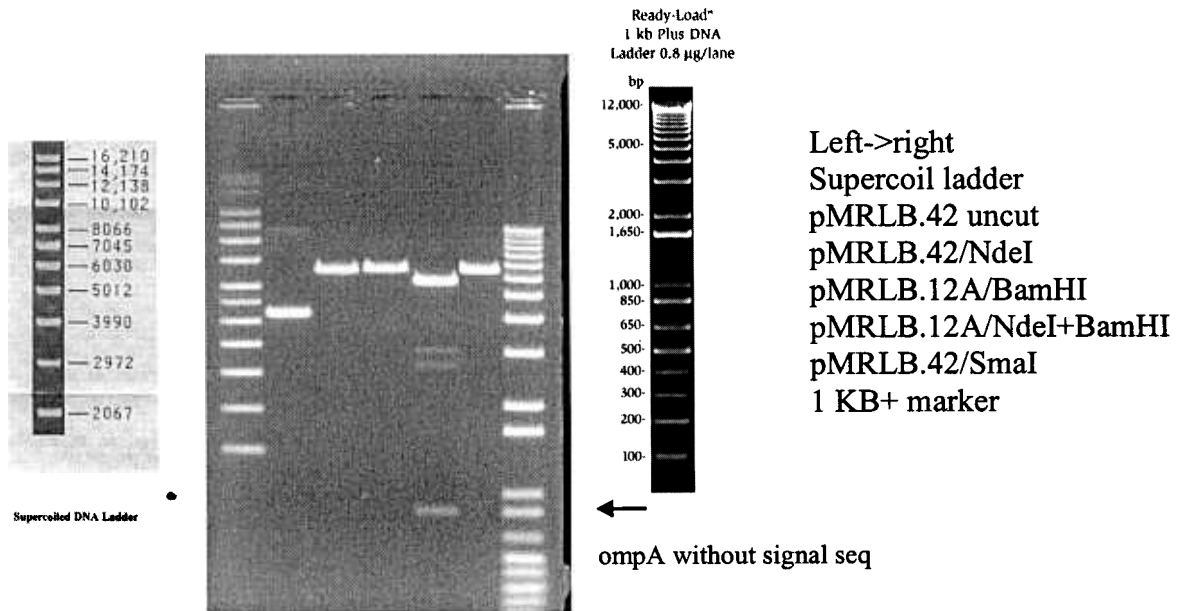
Restriction enzymes used in QC analysis NdeI, BamHI, SmaI (1 site in ompA)

Expected size of restriction fragments

Vector 5.7 kb pET15b – NdeI +BamHI  
Insert 0.84 kb ompA without signal sequence – NdeI +BamHI  
Other 6.5 kb supercoil or linearized plasmid – NdeI, BamHI, SmaI single digests

Gel description (file number, % agarose, buffer) kb7notebook2 /1.0% agarose/1X TAE

Molecular weight markers Invitrogen 1KB Plus, Invitrogen Supercoiled DNA Ladder



Generated by Kerry W. Broshman Date 9-16-2003  
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Form 4.2.03.JB