

**Plasmid pMRLB.9 Containing Gene Rv3418c (Protein GroES) from *Mycobacterium tuberculosis***

**Catalog No. NR-13282**

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

**Product Description:** NR-13282 is a recombinant expression vector containing *Mycobacterium tuberculosis* gene Rv3418c, which encodes the heat shock protein GroES. Gene Rv3418c was amplified by PCR and cloned into pET23b for expression in *Escherichia coli*.

**Lot: 03.EC.05.14**

**Manufacturing Date: 14MAY2003**

TEST	SPECIFICATIONS	RESULTS
<b>Agarose Gel Electrophoresis (see attached QC Gel)<sup>1</sup></b> Linearization with <i>NdeI</i> Digestion with <i>NdeI</i> and <i>HindIII</i>	~ 3.96 kb ~ 0.30 kb (insert); ~ 3.66 kb (vector)	~ 3.96 kb ~ 0.30 kb; ~ 3.66 kb
<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

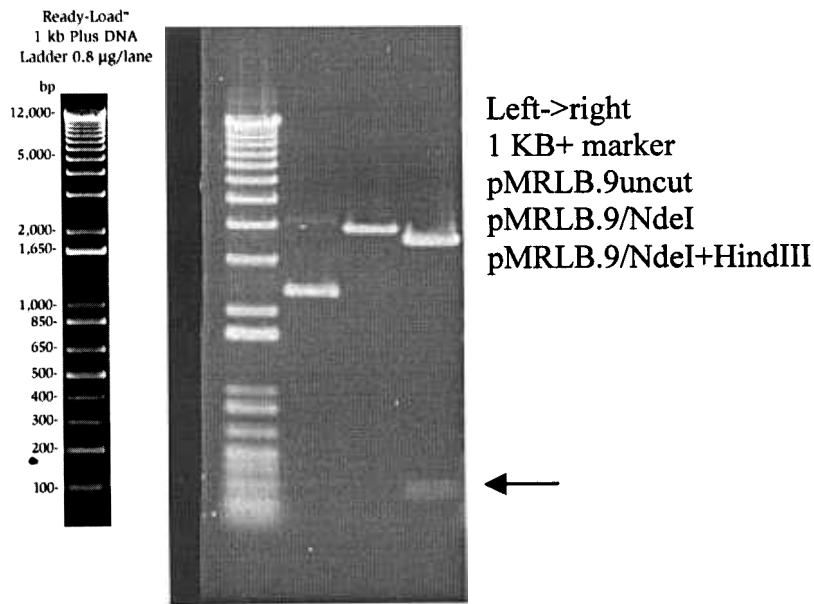
Restriction enzymes used in QC analysis NdeI, HindIII

Expected size of restriction fragments

Vector 3.66 kb pET 23b  
Insert 0.30 kb groES  
Other 3.96 kb linearized plasmid

Gel description file number, % agarose, buffer kb45/0.8% agarose/1X TAE

Molecular weight markers Invitrogen 1KB Plus



Generated by Kerry D...

Supervisor ...