b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Plasmid pMRLB.11 Containing Gene Rv1908c (Protein KatG) from *Mycobacterium tuberculosis*

Catalog No. NR-13284

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

Product Description: NR-13284 is a recombinant expression vector containing *Mycobacterium tuberculosis* gene Rv1908c, which encodes the catalase-peroxidase protein KatG. Gene Rv1908c was amplified by PCR and cloned into pET23b for expression in *Escherichia coli.*

Lot: 03.EC.05.15   **Manufacturing Date: 15MAY2003**

TEST	SPECIFICATIONS	RESULTS

Agarose Gel Electrophoresis (see attached QC Gel)[1]
     Linearization with *Nde*I
     Digestion with *Nde*I and *Hind*III
	
	 ~ 5.88 kb
	 ~ 2.22 kb (insert); ~ 3.66 kb (vector)
		
		 ~ 5.88 kb
		 ~ 2.22 kb; ~ 3.66 kb

Concentration by OD$_{260}$	Report results	0.1 µg/µL
Absorbance Ratio (OD$_{260}$/OD$_{280}$)	Report results	1.9

[1]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

Support Provided by NIAID

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QC gel

Restriction enzymes used in QC analysis   NdeI, HindIII

Expected size of restriction fragments

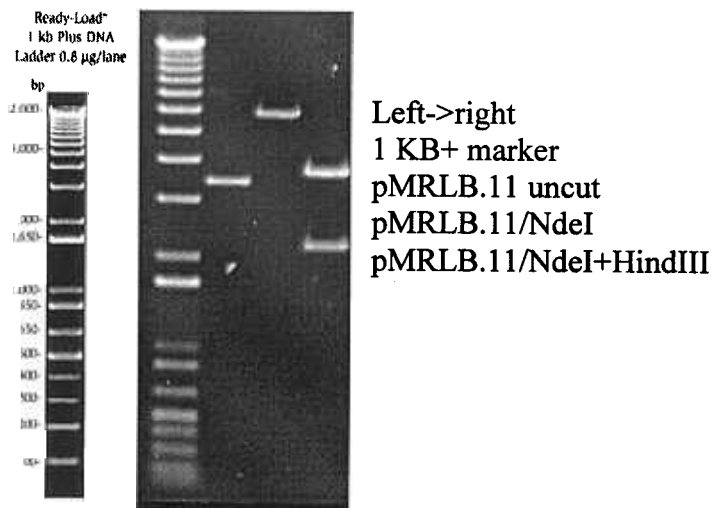   Vector   3.66 kb pET 23b

      Insert   2.22 kb katG

      Other   5.88 kb linearized plasmid

Gel description   file number, % agarose, buffer   kb29/0.8% agarose/1X TAE

Molecular weight markers   Invitrogen 1KB Plus

Left->right
1 KB+ marker
pMRLB.11 uncut
pMRLB.11/NdeI
pMRLB.11/NdeI+HindIII

Generated by _____

Supervisor _____

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