

Plasmid pMRLB.51 Containing Gene Rv3763 (Protein LpqH) from *Mycobacterium tuberculosis*

Catalog No. NR-13302

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Product Description: NR-13302 is a recombinant expression vector containing *Mycobacterium tuberculosis* gene Rv3763, which encodes the conserved 19 kDa lipoprotein antigen precursor, LpqH. Gene Rv3763 was amplified by PCR and cloned into pET23b for expression in *Escherichia coli*.

Lot: 07.EC.10.18

Manufacturing Date: 18OCT2007

TEST	SPECIFICATIONS	RESULTS
Agarose Gel Electrophoresis (see attached QC Gel)¹ Linearization with <i>NdeI</i> Linearization with <i>HindIII</i> Digestion with <i>NdeI</i> and <i>HindIII</i>	~ 4.067 kb ~ 4.067 kb ~ 0.477 kb (insert); ~ 3.59 kb (vector)	~ 4.067 kb ~ 4.067 kb ~ 0.477 kb; ~ 3.59 kb
Concentration by OD₂₆₀	Report results	0.05 µg/µL
Absorbance Ratio (OD₂₆₀/OD₂₈₀)	Report results	1.8

¹Performed 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:

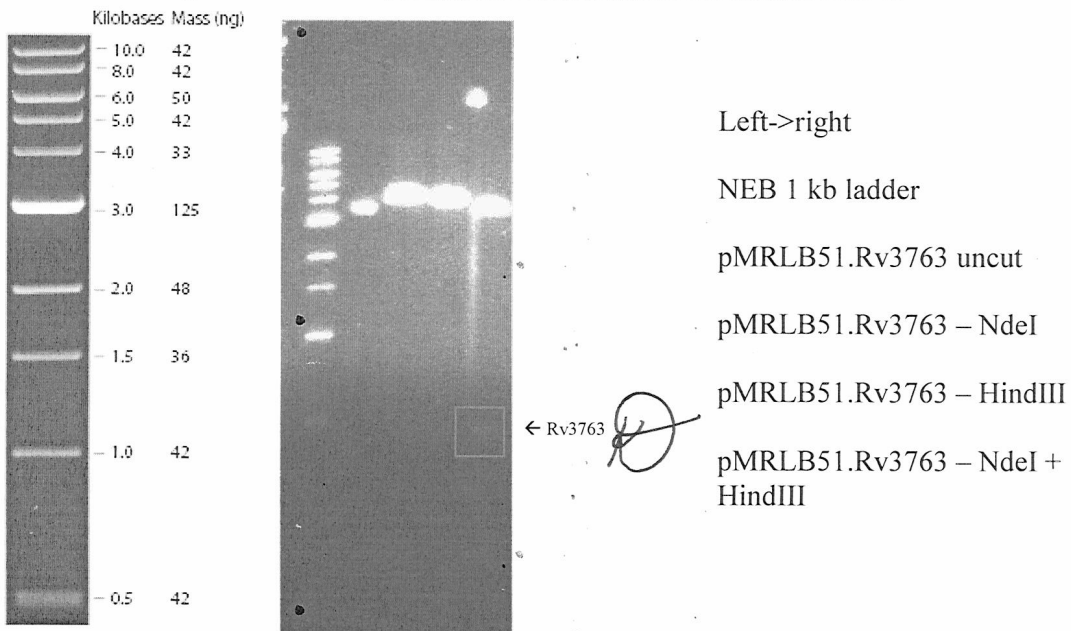
NdeI & HindIII

Expected size of restriction fragments

Vector 3.59 kb pET23b
Insert 0.477 kb Rv3763
Other 4.067 kb linearized plasmid – single digests

Gel description (file number, % agarose, buffer) pMRLB51-pMRLB52-QC111207, 1%, 1X TAE

Molecular weight markers New England Biolabs 1 kb DNA ladder



Revised

Generated by Madeleine Murray Date 8/19/09

Supervisor Karen [Signature] Date 8/19/2009