

Plasmid pMRLB.1 Containing Gene Rv0440 (Protein GroEL2) from *Mycobacterium tuberculosis*

Catalog No. NR-13276

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

Product Description: NR-13276 is a recombinant expression vector containing *Mycobacterium tuberculosis* gene Rv0440, which encodes the chaperonin family protein GroEL2. Gene Rv0440 was amplified by PCR and cloned into pET23b for expression in *Escherichia coli*.

Lot: 06.EC.11.16

Manufacturing Date: 16NOV2006

TEST	SPECIFICATIONS	RESULTS
Agarose Gel Electrophoresis (see attached QC Gel)¹ Linearization with <i>NdeI</i> Digestion with <i>NdeI</i> and <i>HindIII</i>	~ 5.28 kb ~ 1.62 kb (insert); ~ 3.66 kb (vector)	Pending Pending
Concentration by OD₂₆₀	Report results	0.1 µg/µL
Absorbance Ratio (OD₂₆₀/OD₂₈₀)	Report results	1.9

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 Nde I, HindIII

Expected size of restriction fragments

- Vector 3.66 kb pET23b
- Insert 1.62 kb groEL2
- Other 5.28 kb linearized plasmid

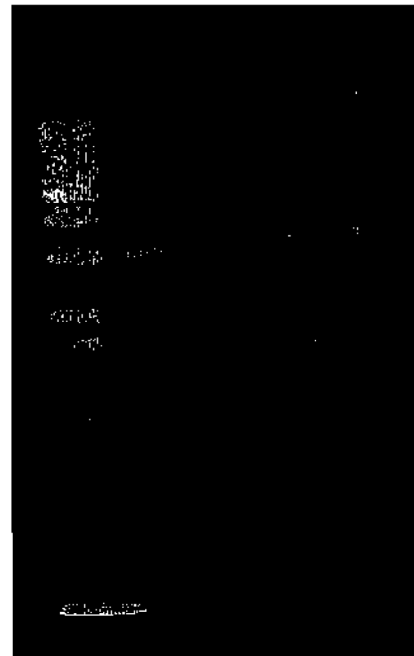
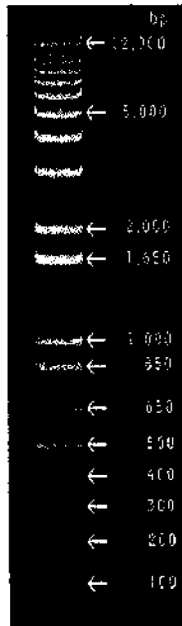
Gel description (file number, % agarose, buffer) pMRLB1.dh1, 0.8%, TAE

Molecular weight markers 1 kb+ (Invitrogen)

RE Digest and Gel:

Lane

- 1 1 Kb+ marker
- 2 pMRLB1 uncut
- 3 pMRLB1/NdeI
- 4 pMRLB1/NdeI/HindIII



Generated by Danny C. Jensen Date 11.26.06

Supervisor [Signature] Date 11/27/2006