

Plasmid pMRLB.6 Containing Gene Rv0350 (Protein DnaK) from *Mycobacterium tuberculosis***Catalog No. NR-13279**

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Product Description: NR-13279 is a recombinant expression vector containing *Mycobacterium tuberculosis* gene Rv0350, which encodes the probably chaperon protein DnaK. Gene Rv0350 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>Nde</i> I Linearization with <i>Hind</i> III Digestion with <i>Nde</i> I and <i>Hind</i> III | ~ 5.47 kb ~ 5.47 kb ~ 1.88 kb (insert); ~ 3.59 kb (vector) | ~ 5.47 kb ~ 5.47 kb ~ 1.88 kb; ~ 3.59 kb |
| Concentration by OD₂₆₀ | Report results | 0.04 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:

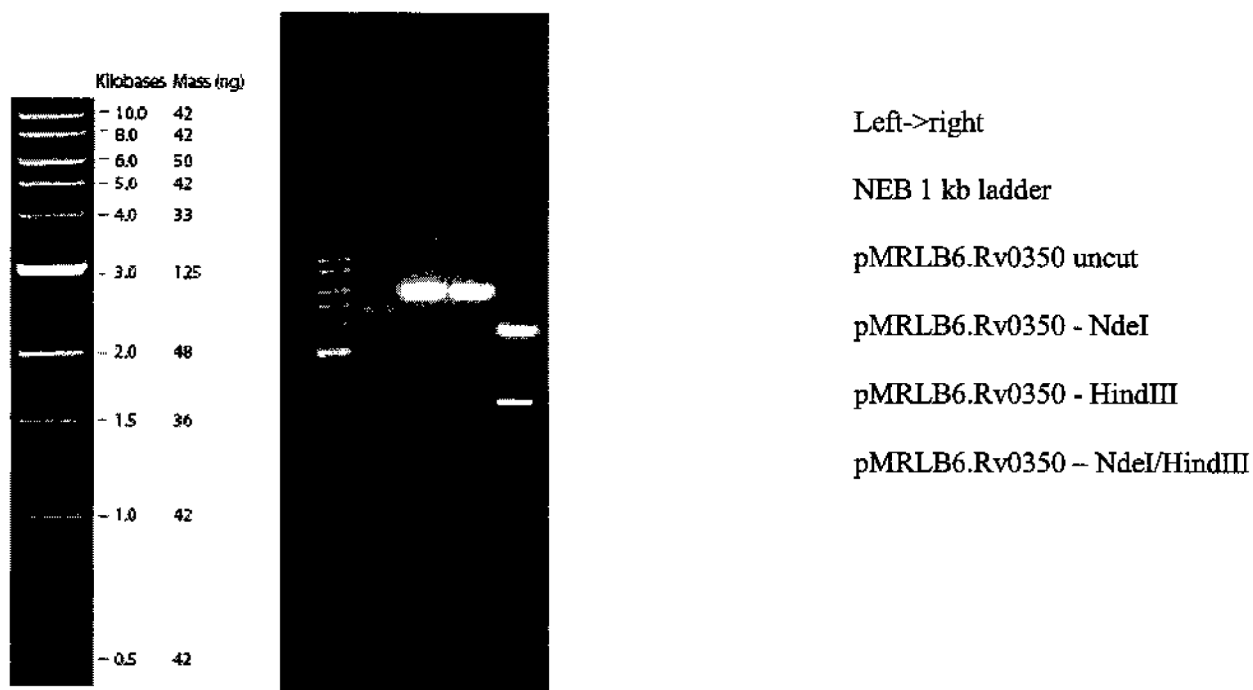
NdeI and HindIII

Expected size of restriction fragments

| | |
|--------|--|
| Vector | <u>3.59 kb pET23b</u> |
| Insert | <u>1.88 kb dnaK</u> |
| Other | <u>5.47 kb linearized plasmid – single digests</u> |

Gel description (file number, % agarose, buffer) pMRLB6-pMRLB46-QC111007, 1%, 1X TAE

Molecular weight markers New England Biolabs 1 kb ladder



Generated by Melody McCreath Date 11/21/2007

Supervisor [Signature] Date 11/28/2007

Created on 01/12/05