Plasmid pMRLB.53 Containing Gene Rv1813c from *Mycobacterium tuberculosis*

**Catalog No. NR-13303**

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**For research use only. Not for human use.**

**Contributor:**

NIH - TB Vaccine Testing and Research Materials Contract

**Product Description:**

NR-13303 is a recombinant expression vector containing *Mycobacterium tuberculosis* gene Rv1813c.1,2 Gene Rv1813c was amplified by PCR and cloned into pET23b for expression in *Escherichia coli*. The gene was cloned without a signal sequence. The expressed protein is histidine-tagged and has an observed molecular weight of 15 kDa.

**Note:** Plasmid pMRLB.53 contains the gene required for ampicillin (Ap) resistance. The recommended concentration of Ap in culture is 100 µg/mL.

**Material Provided:**

Each vial contains 1 µg of plasmid DNA in 10 mM Tris-HCl, pH 7.5. The concentration is shown on the Certificate of Analysis.

**Packaging/Storage:**

NR-13303 was packaged aseptically in 0.5 mL screw-capped cryovials. The product is provided frozen on dry ice and should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infection Research Resources Repository, NIAID, NIH: Plasmid pMRLB.53 Containing Gene Rv1813c from *Mycobacterium tuberculosis*, NR-13303.”

**Biosafety Level: 1**


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**References:**

2. TubercuList: *Gene Rv1813c*

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