Plasmid pMRLB.42 Containing Gene Rv0899 (Protein OmpA) from Mycobacterium tuberculosis

Catalog No. NR-13293
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Contributor:
NIH - TB Vaccine Testing and Research Materials Contract

Product Description:
NR-13293 is a recombinant expression vector containing Mycobacterium tuberculosis gene Rv0899, which encodes outer membrane protein A, OmpA.\(^1,2\) Gene Rv0899 was amplified by PCR and cloned into pET15b 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 33 kDa.

A plasmid map of NR-13293 is attached.

Note: Plasmid pMRLB.42 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-13293 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.42 Containing Gene Rv0899 (Protein OmpA) from Mycobacterium tuberculosis, NR-13293.”

Biosafety Level: 1

Disclaimers:
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References:
2. TubercuList: Rv0899

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