

Plasmid pMRLB.15 Containing Gene Rv2031c (Protein HspX) from *Mycobacterium tuberculosis*

Catalog No. NR-13274

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Product Description: NR-13274 is a recombinant expression vector containing *Mycobacterium tuberculosis* gene Rv2031c, which encodes HspX, a heat shock protein (small heat shock protein, HSP20, family member) localized in the inner membrane. Gene Rv2031c was amplified by PCR and cloned into pET15b for expression in *Escherichia coli*.

Lot: 03.EC.05.15

Manufacturing Date: 15MAY2003

TEST	SPECIFICATIONS	RESULTS
Agarose Gel Electrophoresis (see attached QC Gel)¹ Linearization with <i>NdeI</i> Digestion with <i>NdeI</i> and <i>XhoI</i>	~ 6.14 kb ~ 0.43 kb (insert); ~ 5.71 kb (vector)	~ 6.14 kb ~ 0.43 kb; ~ 5.71 kb
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)

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15 MAR 2019

Program Manager or designee, ATCC Federal Solutions

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QC gel

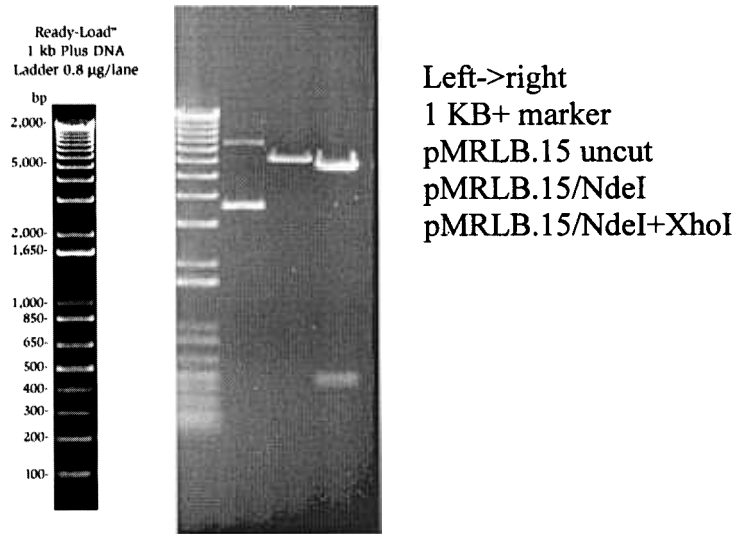
Restriction enzymes used in QC analysis NdeI, XhoI

Expected size of restriction fragments

Vector 5.71 kb pET 15b
Insert 0.43 kb hspX
Other 6.14 kb linearized plasmid

Gel description file number, % agarose, buffer kb45/0.8% agarose/1X TAE

Molecular weight markers Invitrogen 1KB Plus



Generated by

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Form 4.2.03.JB