

Plasmid pMRLB.61 Containing Gene Rv0432 (Protein SodC) from *Mycobacterium tuberculosis* for Expression in *Mycobacterium smegmatis*

Catalog No. NR-13311

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

Product Description: NR-13311 is a recombinant expression vector containing *Mycobacterium tuberculosis* gene Rv0432, which encodes a probable periplasmic superoxide dismutase, SodC. Gene Rv0432 was amplified by PCR and cloned into pVV16 for expression in *Mycobacterium smegmatis*.

Lot: 07.EC.05.23

Manufacturing Date: 23MAY2007

TEST	SPECIFICATIONS	RESULTS
Agarose Gel Electrophoresis (see attached QC Gel)¹ Linearization with <i>NdeI</i> Linearization with <i>HindIII</i> Digestion with <i>NdeI</i> and <i>HindIII</i>	~ 6.54 kb ~ 6.54 kb ~ 0.72 kb (insert); ~ 5.82 kb (vector)	~ 6.54 kb ~ 6.54 kb Pending
Concentration by OD₂₆₀	Report results	0.09 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: 29 OCT 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contractor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.
You are authorized to use this product for research use only. It is not intended for human use.



QC gel

Restriction enzymes used in QC analysis:

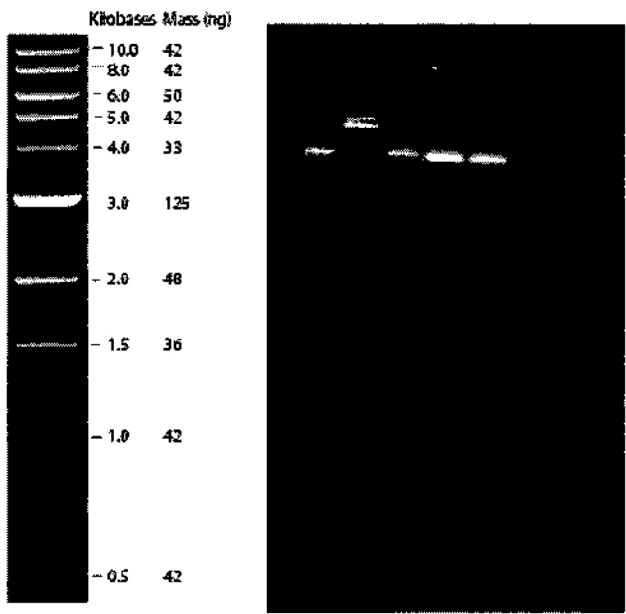
NdeI & HindIII

Expected size of restriction fragments

Vector 5.822 kb pVV16
Insert 0.719 kb Rv0432
Other 6.541 kb linearized plasmid – single digests

Gel description (file number, % agarose, buffer) pMRLB61-QCgel092207, 1.5%, 1X TAE

Molecular weight markers New England Biolabs 1 kb DNA ladder



Left->right
NEB 1 kb ladder
pMRLB61.Rv0432 uncut
pMRLB61.Rv0432 – NdeI
pMRLB61.Rv0432 – HindIII
pMRLB61.Rv0432 – NdeI + HindIII

NEB 1 kb ladder

Generated by Melody McConnell Date 10/15/2007

Supervisor [Signature] Date 10/18/2007