

## Certificate of Analysis for NR-14858

# Ag85C (Gene Rv0129c), Purified Native Protein from *Mycobacterium tuberculosis*, Strain H37Rv

#### Catalog No. NR-14858

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

**Product Description:** NR-14858 is a preparation of Antigen 85C protein (Ag85C) derived from the culture filtrate proteins of *Mycobacterium tuberculosis*, strain H37Rv.

Lot: 2042 Manufacturing Date: 25OCT2016

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 16.Rv.2.10.25.Ag85c is attached.

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.

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### WORK SHEET FOR PURIFIED NATIVE PROTEINS

## **General Information**

BEI Catalog Number: NR-14858
Product Description: Ag85C (Rv0129c)
CSU Lot Number: 16.Rv.2.10.25.Ag85C
Species: M. tuberculosis
Strain: H37Rv

#### **Purification Information**

Starting material: <u>CFP: 14.Rv.2.7.8.6.CFP.iho, 14.Rv.2.7.22.7.CFP, 14.Rv.2.9.23.5.CFP (976.8 mg total)</u>

Starting material (select one):

X CFP: Filter Sterilized Yes
Cells: Irradiated N/A

Viability Test Performed: N/A

Protocol used (SOP #'s): PP021.5

Date started: <u>8 / 8 / 2016</u> Date completed: <u>10 / 25 / 2016</u>

Notebook; page(s): Megan Lucas, BEI Production #3, pg 4-12

Additional notes (if applicable): 60mL phenyl sepharose column was used.

#### **Quality Control Information**

Clarity of product/suspension after dialysis: clear

BCA: 1.305 μg/μl Notebook and page(s): MCL, BEI Production #3; pg 20

Total Protein: 4.4 mg

Silver Stain Date: 10 / 25 / 2016 Notebook and page(s): MCL, BEI Production #2; pg 11

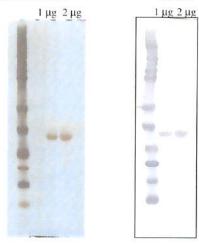
Western blot Date: 10/25/2016 Antibody used: CS-90

Notebook and page(s): MCL, BEI Production #2; pg 11

Mass Spectrometry information/file (if applicable): <u>Fractions analyzed by MALDI for purity</u>. Additional MRM-MS analysis of final product indicates 87% purity (contaminant protein Rv3804c, Ag85A)

#### QC Gel and Blot:

#### CS-90



Aliquot Information:

17 x 250 μg 1 x 150 μg

(Research Associate) |2-1-16 (date)

(Laboratory Supervisor)

12-1-16

date)