

PstS1 (Gene Rv0934, Non-Acylated), Purified Native Protein from *Mycobacterium tuberculosis*, Strain H37Rv**Catalog No. NR-14859**

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

Product Description: NR-14859 is a preparation of native protein, PstS1 (Gene Rv0937, non-acylated), purified from the culture filtrate of irradiated *Mycobacterium tuberculosis*, strain H37Rv. PstS1 was precipitated by ammonium sulfate, applied to ConA and phenyl sepharose columns, and eluted using a gradient of decreasing ammonium sulfate. Fractions containing PstS1 were pooled and dialyzed.

Note: The cell wall-associated and culture filtrate forms of PstS1 seem to differ in their hydrophobic characteristics, however a chemical difference between the two forms has not been determined.

Lot: 63902771**Manufacturing Date: 08JAN2016**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 16.Rv.2.1.8.38kDa is attached.

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WORK SHEET FOR PURIFIED NATIVE PROTEINS

General Information

BEI Catalog Number: NR-14859
Product Description: 38kDa Protein (PhoS1, Rv0934)
CSU Lot Number: 16.Rv.2.1.8.38kDa
Species: *M. tuberculosis*
Strain: H37Rv

Purification Information

Starting material: 70% Cut CFP (129 mg)
Starting material (select one):
 CFP: Filter Sterilized Yes
 Cells: Irradiated N/A
Viability Test Performed: N/A

Protocol used (SOP #'s): PP024.7

Date started: 12/7/2015

Date completed: 1/8/2016

Notebook; page(s): Starting Material: Megan Lucas, BEI Production #2; pg 1-2, Purification: BEI Production #2 pg. 93-98

Additional notes (if applicable): N/A

Quality Control Information

Clarity of product/suspension after dialysis: clear

BCA: 0.628 $\mu\text{g}/\mu\text{l}$

Notebook and page(s): MCL, BEI Production #2; pg 98

Total Protein: 1.822 mg

Silver Stain Date: 1/7/2016

Notebook and page(s): MCL, BEI Production #2; pg 98

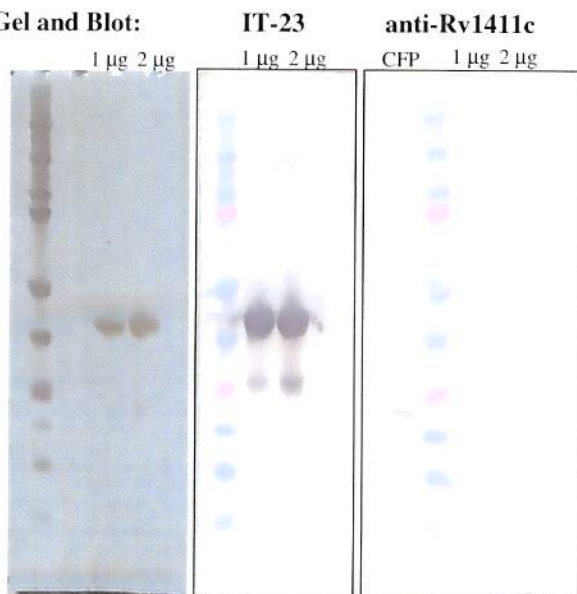
Western blot Date: 1/7/2016

Antibody used: IT-23 (+) and anti-Rv1411c (-)

Notebook and page(s): MCL, BEI Production #2; pg 98

Mass Spectrometry information/file (if applicable): N/A

QC Gel and Blot:



Aliquot Information:

7 x 0.25 mg

1 x 0.072 mg

M. Lu
(Research Associate)

1-8-16
(date)

C. Mahaffy
(Laboratory Supervisor)

1-8-16
(date)