

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

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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: 63648719**Manufacturing Date: 14AUG2015**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 15.Rv.2.8.14.38kDa 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: 15.Rv.2.8.14.38kDa
Species: *M. tuberculosis*
Strain: H37Rv

Purification Information

Starting material: 70% Cut CFP (294.2 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: 7 / 13 / 2015

Date completed: 8 / 14 / 2015

Notebook; page(s): Starting Material: Megan Lucas, BEI Production #2; pg 30-31, Purification: BEI Production #2 pg, 36-44

Additional notes (if applicable): N/A

Quality Control Information

Clarity of product/suspension after dialysis: clear

BCA: 0.575 $\mu\text{g}/\mu\text{l}$ Notebook and page(s): MCL, BEI Production #2; pg 44

Total Protein: 3.675 mg

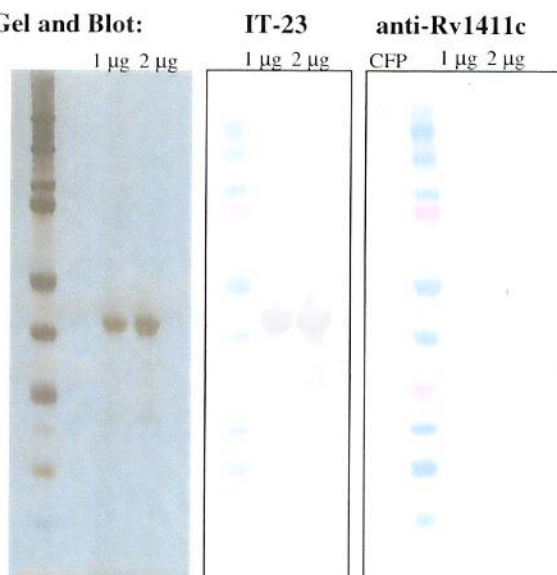
Silver Stain Date: 8 / 3 / 2015 Notebook and page(s): MCL, BEI Production #2; pg 44

Western blot Date: 8 / 3 / 2015 Antibody used: IT-23 (+) and anti-Rv1411c (-)

Notebook and page(s): MCL, BEI Production #2; pg 44

Mass Spectrometry information/file (if applicable): LC-Tandem MS analysis of the 23kDa band identifies both Rv2945 and Rv0934. The overall protein sample is calculated as >90% pure.

QC Gel and Blot:



Aliquot Information:

14 x 0.25 mg

1 x 0.175 mg

Megan Lucas
(Research Associate)

8-14-15
(date)

[Signature]
(Laboratory Supervisor)

8/18/2015
(date)