

**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 Rv0934, non-acylated), purified from the culture filtrate of *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: 70016662****Manufacturing Date: 07JUN2018**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 18.Rv.2.6.7.38kDa is attached.

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## WORK SHEET FOR PURIFIED NATIVE PROTEINS

### General Information

BEI Catalog Number: NR-14859  
Product Description: 38kDa Protein (PhoSI, Rv0934)  
CSU Lot Number: 18.Rv.2.6.7.38kDa  
Species: *Mycobacterium tuberculosis*  
Strain: H37Rv

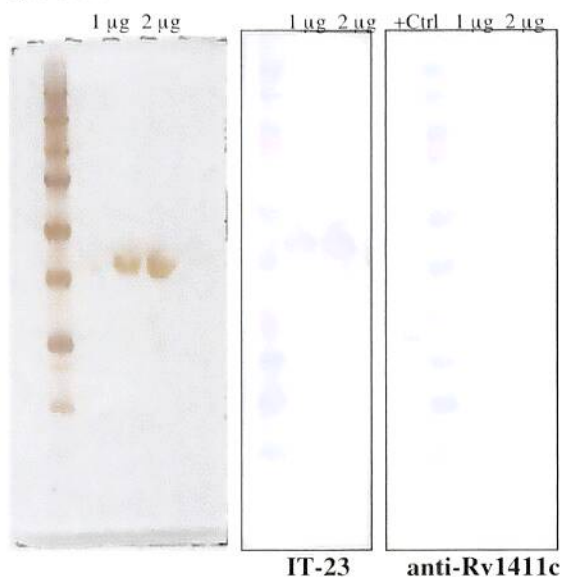
### Purification Information

Starting material: 70% ammonium sulfate cut  
Starting material (select one):  
 CFP: Filter Sterilized Yes  
 Cells: Irradiated N/A  
Viability Test Performed: N/A  
Protocol used (SOP #'s): PP024.8  
Date started: 05 / 21 / 18  
Date completed: 06 / 07 / 18  
Notebook; page(s): Starting material: Megan Lucas, BEI Production Notebook, pg 79; Purification: BEI Production Notebook #3, pg 104-109  
Additional notes (if applicable): 30,000 MWCO amicon ultra used to help remove low molecular weight proteins

### Quality Control Information

Clarity of product/suspension after dialysis: Clear  
BCA: 0.768  $\mu\text{g}/\mu\text{l}$  Notebook and page(s): MCL BEI Production #3, pg 109  
Total Protein: 2.75 mg  
Silver Stain Date: 06 / 06 / 18 Notebook and page(s): MCL BEI Production #3, pg 109  
Western blot Date: 06 / 06 / 18 Antibody used: IT-23 and anti-Rv1411c mouse monoclonals  
Notebook and page(s): MCL BEI Production #3, pg 109  
Mass Spectrometry information/file (if applicable): N/A

### QC Gel:



**Aliquot Information:**  
11 x 0.25 mg

Megan Lucas  
(Research Associate)

6-8-18  
(date)

C. Hehrig  
(Laboratory Supervisor)

6-8-18  
(date)