

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: 70017939**Manufacturing Date: 02OCT2018**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 18.Rv.2.10.2.38kDa 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: 18.Rv.2.10.2.38kDa
Species: *Mycobacterium tuberculosis*
Strain: H37Rv

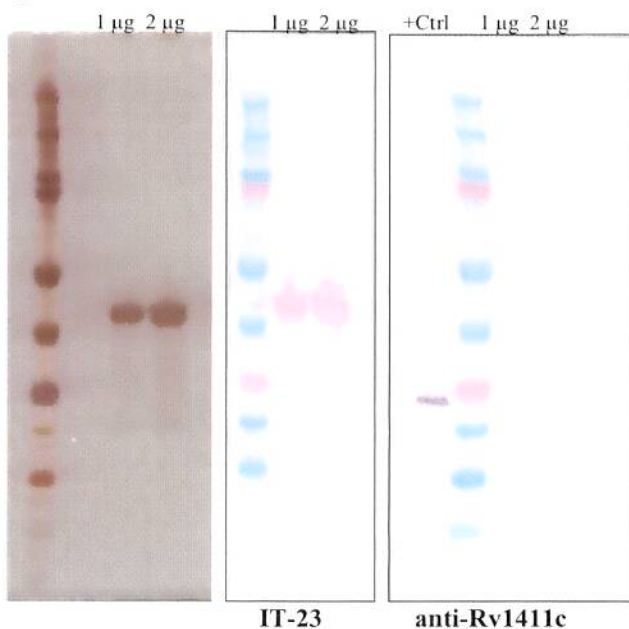
Purification Information

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: 09 / 10 / 18
Date completed: 10 / 02 / 18
Notebook; page(s): Starting material: Megan Lucas, BEI Production Notebook #3, pg 2; Purification: BEI Production Notebook #3, pg 112-116
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: 0.457 $\mu\text{g}/\mu\text{l}$ Notebook and page(s): MCL BEI Production #3, pg 116
Total Protein: 1.387 mg
Silver Stain Date: 09 / 28 / 18 Notebook and page(s): MCL BEI Production #3, pg 116
Western blot Date: 09 / 28 / 18 Antibody used: IT-23 and anti-Rv1411c mouse monoclonals
Notebook and page(s): MCL BEI Production #3, pg 116
Mass Spectrometry information/file (if applicable): N/A

QC Gel:



Aliquot Information:

5 x 0.25 mg
1 x 0.137 mg

M. Lu
(Research Associate)

10-3-18
(date)

C. Heffey
(Laboratory Supervisor)

10/3/18
(date)