

**PstS1 (Gene Rv0934, Non-Acylated), Purified Native Protein from *Mycobacterium tuberculosis*, Strain H37Rv****Catalog No. NR-53528**

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

**Product Description:**

NR-53528 is a preparation of periplasmic phosphate-binding lipoprotein, PstS1 (Gene Rv0934, non-acylated; also referred to as PhoS1), purified from the culture filtrate of *Mycobacterium tuberculosis*, strain H37Rv.

**Lot: 70045521****Manufacturing Date: 24MAR2022**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 22.Rv.2.23.38kDa 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-53528  
Product Description: 38kDa (PhoS1, Rv0934)  
CSU Lot Number: 22.Rv.2.23.38kDa  
Species: *Mycobacterium tuberculosis*  
Strain: H37Rv

### Purification Information

Starting material: 70% ammonium sulfate CFP cut  
Starting material (select one):  
 CFP: Filter Sterilized Yes  
 Cells: Irradiated NA  
Viability Test Performed: No Viable Organism Detected  
Protocol used (SOP #'s): PP024.9  
Date started: 2.23.22  
Date completed: 3.24.22  
Notebook; page(s): KB BEI#1 pgs 24-37  
Additional notes (if applicable): N/A

### Quality Control Information

Clarity of product/suspension after dialysis: Clear  
BCA: 0.236  $\mu\text{g}/\mu\text{l}$  Notebook and page(s): KB BEI#1 pg 36  
Total Protein: 0.967 mg  
Silver Stain Date: 3.22.22 Notebook and page(s): KB BEI#1 pg37  
Western blot Date: 3.22.22 Antibody used:  $\alpha$ IT-23 and  $\alpha$ 1411c  
Notebook and page(s): KB BEI#1 pg37  
Mass Spectrometry information/file (if applicable): \_\_\_\_\_

### QC Gel:

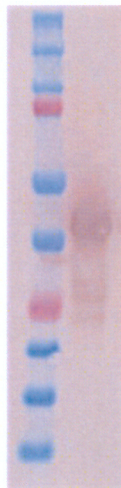
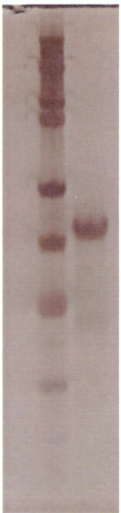
Silver Stain:

Western: 2  $\mu\text{g}$  protein,  $\alpha$ IT-23

2  $\mu\text{g}$  protein and  $\alpha$ 1411c

38kDa CFP positive control

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Aliquot Information: 9 x 0.1 mg aliquots

[Signature] 4/19/22  
(Research Associate) (date)

[Signature] 4/19/22  
(Laboratory Supervisor) (date)