

**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: 70070413****Manufacturing Date: 19SEP2024**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 24.Rv.9.19.38kDa 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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You are authorized to use this product for research use only. It is not intended for human use.



**WORK SHEET FOR PURIFIED NATIVE PROTEINS**

**General Information**

BEI Catalog Number: NR-53528  
BEI Lot Number: 70070413  
Product Description: PstS1, 38kDa, (Rv0934)  
CSU Lot Number: 24.Rv.9.19.38kDa  
Species: Mycobacterium tuberculosis  
Strain: H37.Rv

**Purification Information**

Starting material: 38kDa starting material, 70% ammonium sulfate cut CFP, 130.1 mg. (23.Rv.2.11.28.10.CFP, 23.Rv.2.10.31.8.CFP, 23.Rv.2.1.21.8.CFP)  
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: 8.13.2024  
Date completed: 9.19.2024  
Notebook; page(s): Kieran Broder BEI#4 pgs 4-9, 11

**Quality Control Information**

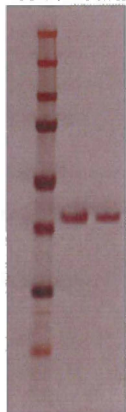
Clarity of product/suspension after dialysis: Clear  
BCA: 0.238 µg/µl Notebook and page(s): KB BEI#4 pg 9  
Total Protein: 1.19 mg  
Silver Stain Date: 9.18.24 Notebook and page(s): KB BEI#4 pg 11  
Western blot Date: 9.19.24 Antibody used: αPhoS1/38kDa, αRv1411c  
Notebook and page(s): KB BEI#4 pg 11  
Mass Spectrometry information/file (if applicable): N/A

**QC Gels:**

**Silver Stain:**

**Western: 2 µg and 1 µg protein load w/ CFP control**

Silver Stain



2 µg / 1 µg

Anti-PhoS1/38kDa



2 µg / 1 µg

Anti- Rv1411c w/ Positive Control



2 µg / 1 µg / 2 µg CFP Control

**Aliquot information: 11 vials @ 0.1 mg per vial,  
Additional 1 x 0.09 mg**

[Signature] 9/19/24  
(Research Associate) (date)

[Signature] 9/20/24  
(Laboratory Supervisor) (date)