

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

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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: 70053429**Manufacturing Date: 11APR2023**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 23.Rv.2.20.38kDa is attached.

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WORK SHEET FOR PURIFIED NATIVE PROTEINS

General Information

BEI Catalog Number: NR-53528
Product Description: 38 KDa (PstS1, Rv0934)
CSU Lot Number: 23.Rv.2.20.38kDa
Species: Mycobacterium tuberculosis
Strain: H37Rv

Purification Information

Starting material: 70% Ammonium Sulfate cuts from CFP
Starting material (select one):
 CFP: Filter Sterilized Yes
 Cells: Irradiated NA
Viability Test Performed: N/A
Protocol used (SOP #'s): PP024.9
Date started: 02/20/23
Date completed: 04/11/23
Notebook; page(s): LMNR BEI#1; 11-15, 18-19
Additional notes (if applicable): N/A

Quality Control Information

Clarity of product/suspension after dialysis: Clear
BCA: 1.083 $\mu\text{g}/\mu\text{l}$ Notebook and page(s): LMNR BEI#1; 18
Total Protein: 697 μg
Silver Stain Date: 04/10/23 Notebook and page(s): LMNR BEI#1; 19
Western blot Date: 04/04/23 Antibody used: α IT-23 (anti-PstS1) as positive control and α Rv1411c as negative control
Notebook and page(s): LMNR BEI#1; 19
Mass Spectrometry information/file (if applicable): N/A

QC Gel:

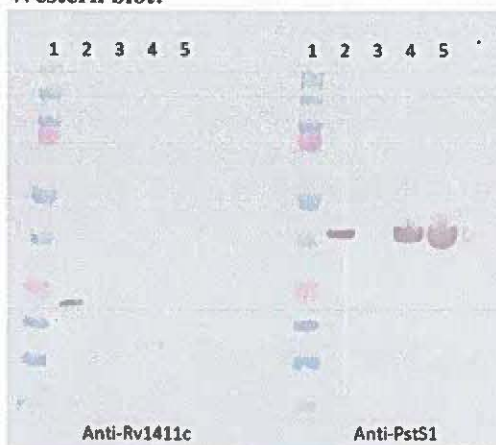
Silver stain:

1 2 3



- 1. Ladder
- 2. Empty
- 3. 1 μg Purified 38KDa

Western blot:



- 1. Ladder
- 2. 7 μg CFP (Positive control)
- 3. Empty
- 4. 1 μg purified 38KDa
- 5. 2 μg purified 38KDa

Aliquot Information:

*Aliquot information reflects aliquots made at the time of QC. Bulk aliquots will be broken down as needed.
6 vials x 100 μg to BEI
1 vial x 97 μg in bulk

Luisa Afania Nieto 04/11/23
(Research Scientist) (date)

PA Steudemann 4/13/23
(Laboratory Supervisor) (date)