

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: 70061004**Manufacturing Date: 25SEP2023**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 23.Rv.9.25.38kDa is attached.

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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: 23.Rv.9.25.38kDa
Species: *Mycobacterium tuberculosis*
Strain: H37Rv

Purification Information

Starting material: 70% ammonium sulfate CFP cut (Rv.2.7.27.11.CFP, 22.Rv.2.9.21.8.CFP, 22.Rv.2.10.5.9.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: 6.25.23

Date completed: 9.25.23

Notebook; page(s): Kieran Broder BEI#2 pgs 88-92, KB BEI#3, pgs 5, 9-10

Additional notes (if applicable): N/A

Quality Control Information

Clarity of product/suspension after dialysis: Clear

BCA: 0.260 $\mu\text{g}/\mu\text{l}$ Notebook and page(s): KB BEI#3 pg10

Total Protein: 0.44 mg

Silver Stain Date: 9.25.23 Notebook and page(s): KB BEI#1 pg10

Western blot Date: 9.22.23 Antibody used: $\alpha\text{IT-23}$ and α1411c

Notebook and page(s): KB BEI#1 pg10

Mass Spectrometry information/file (if applicable): N/A

QC Gel:

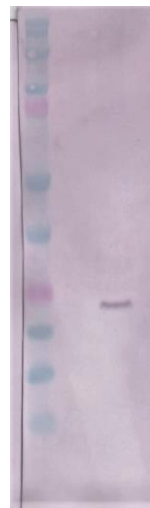
Silver Stain:

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

2 μg protein and α1411c

PhoS1 CFP positive control

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Aliquot Information: 4 x 0.1 mg aliquots

Aliquot information indicates aliquots made at the time of QC. Bulk vials will be broken down as needed.

Kieran Broder 9/26/2023
(Research Associate) (date)

Rebecca Staudenmaier 9/26/2023
(Laboratory Supervisor) (date)