

MPT32/Apa (Gene Rv1860), Purified Native Protein from *Mycobacterium tuberculosis*, Strain H37Rv**Catalog No. NR-14862**

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Product Description: NR-14862 is a preparation of native MPT32/Apa (Gene Rv1860) purified from irradiated *Mycobacterium tuberculosis*, strain H37Rv culture filtrate protein fraction. The culture filtrate protein fraction was precipitated with 40% ammonium sulfate, applied to a ConA column, eluted, concentrated, dialyzed, applied to a phenyl sepharose column and eluted. The purified MPT32/Apa was dialyzed in 10 mM ammonium bicarbonate.

Lot: 62795352**Manufacturing Date: 21AUG2014**

Production and QC testing were performed by Colorado State University (CSU). The CSU documentation for lot 14.Rv.2.8.21.45kDa is attached.

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WORK SHEET FOR PURIFIED NATIVE PROTEINS

General Information

BEI Catalog Number: NR-14862
Product Description: 45kDa (Mpt32, Rv1860)
CSU Lot Number: 14.Rv.2 8.21.45kDa
Species: *M. tuberculosis*
Strain: H37Rv

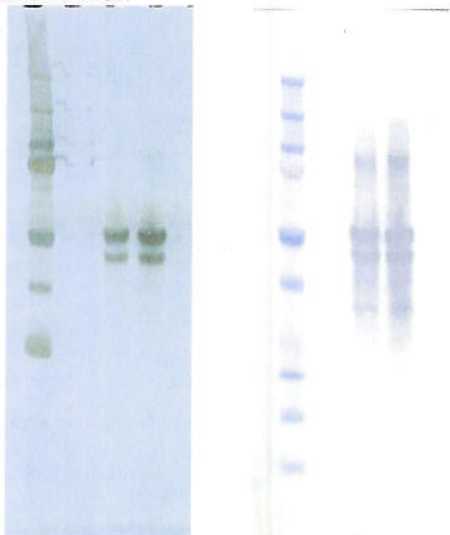
Purification Information

Starting material: Phenyl Sepharose Flow Through (112.43 mg)
Protocol used (SOP #'s): PP022.4
Date started: 7/2/2014
Date completed: 8/21/2014
Notebook; page(s): Starting Material: Rachel Hazenfield, Protein Notebook #2, pg 95-98 and Megan Lucas, BEI Production, pg 49-53; Protein Production: Megan Lucas, BEI Production; pg 58-62
Additional notes (if applicable): C4 reverse phase column was used in place of C18, and column gradient was slowed to reduce pressure.

Quality Control Information

Clarity of product/suspension after dialysis: clear
BCA: 1.91 $\mu\text{g}/\mu\text{l}$ Notebook and page(s): MCL, BEI Production; pg 61
Total volume: 3.77 ml Total amount of Protein: 7.2 mg
Silver Stain Date: 8/18/2014 Notebook and page(s): MCL, BEI Production; pg 62
Western blot Date: 8/18/2014 Antibody used: CS-93
Notebook and page(s): MCL, BEI Production; pg 62
Mass Spectrometry information/file (if applicable): _____

QC Gel and Blot:



Aliquot Information:

14 x 500 μg
1 x 200 μg

Megan Lucas
(Research Associate)

8-21-14
(date)

[Signature]
(Laboratory Supervisor)

8/21/14
(date)