

**GroES (Gene Rv3418c), Purified Native Protein from *Mycobacterium tuberculosis*, Strain H37Rv****Catalog No. NR-14861**

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**Product Description:** NR-14861 is a preparation of the GroES (Gene Rv3418c) purified native proteins from the culture filtrate of irradiated *Mycobacterium tuberculosis*, strain H37Rv. The culture filtrate proteins were precipitated with 70% ammonium sulfate and applied to a ConA column. The unbound fraction was further resolved by reversed phase HPLC.

**Lot: 63648721****Manufacturing Date: 08SEP2015**

Production and QC testing were performed by Colorado State University. The Colorado State University documentation for lot 15.Rv.2.9.8.GroES is attached.

ATCC<sup>®</sup>, 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<sup>®</sup>'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-14861  
Product Description: GroES (Rv3418c)  
CSU Lot Number: 15.Rv.2.9.8.GroES  
Species: *M. tuberculosis*  
Strain: H37Rv

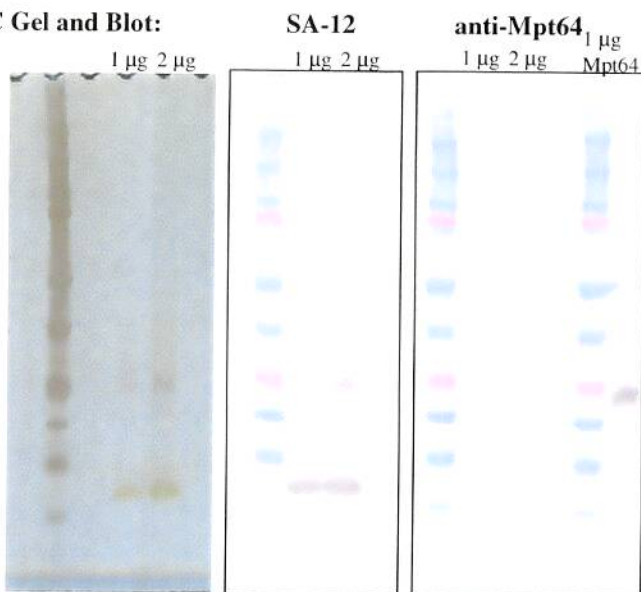
### Purification Information

Starting material: 38kDa ConA Flow Through (180 mg)  
Starting material (select one):  
 CFP: Filter Sterilized  Yes  
 Cells: Irradiated  N/A  
Viability Test Performed: N/A  
Protocol used (SOP #'s): PP035.3  
Date started: 8/11/2015  
Date completed: 9/8/2015  
Notebook; page(s): Starting Material: Megan Lucas, BEI Production #2; pg 36-40, Purification: BEI Production #2 pg, 49-59  
Additional notes (if applicable): Cleaned-up using size exclusion chromatography (S-75)

### Quality Control Information

Clarity of product/suspension after dialysis: clear  
BCA: 0.420  $\mu\text{g}/\mu\text{l}$  Notebook and page(s): MCL, BEI Production #2; pg 59  
Total Protein: 1.85 mg  
Silver Stain Date: 9/8/2015 Notebook and page(s): MCL, BEI Production #2; pg 59  
Western blot Date: 9/4/2015 Antibody used: SA-12 (+) and anti-Mpt64 (-)  
Notebook and page(s): MCL, BEI Production #2; pg 59  
Mass Spectrometry information/file (if applicable): N/A

### QC Gel and Blot:



### Aliquot Information:

3 x 0.5 mg  
1 x 0.35 mg

Megan Lucas  
(Research Associate)

9-9-15  
(date)

C. McHaffey  
(Laboratory Supervisor)

9-9-15  
(date)