

α -Crystallin (Gene Rv2031c), Purified Native Protein from *Mycobacterium tuberculosis*, Strain H37Rv**Catalog No. NR-14860**

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Product Description: NR-14860 is a preparation of α -crystallin derived from the whole cell lysate of irradiated *Mycobacterium tuberculosis* (*M. tuberculosis*), strain H37Rv. *M. tuberculosis* whole cell lysate was extracted with 0.1% n-octylthioglucoside and fractionated by isoelectric focusing. Fractions containing 16 kDa proteins were cleaned by size exclusion chromatography and dialyzed against 10 mM ammonium bicarbonate.

Lot: 61391630**Manufacturing Date: 22MAY2013**

Production and QC testing were performed by Colorado State University. The Colorado State University documentation for lot 13.Rv.2.5.22.16kDa is attached.

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WORK SHEET FOR PURIFIED NATIVE PROTEINS

General Information

Lot Number: 13.Rv.2.5.22.16kDa
Product: 16kDa, HspX,
Species: Mycobacterium tuberculosis
Strain: H37Rv

Purification Information

Starting material: 13.Rv.2.1.22.4.WCg made into WCL

Protocol used (SOP #'s): SOP:PP023.5

Date started: 03/06/2013

Date completed: 05/22/2013

Notebook; page(s): Rachel Hazenfield Protein Notebook #1 pp. 109-113

Additional notes (if applicable): Product was clean after Rotofor, did not need sephadex-75 column

Quality Control Information

Clarity of product/suspension after dialysis: clear

BCA: 0.424 $\mu\text{g}/\mu\text{l}$

Notebook and page(s): RH Protein #1 p.112

Total volume: 15.92ml

Total amount of Protein: 6.75mg

Silver Stain Date: 5/22/2013

Notebook and page(s): RH Protein #1 p.113

Western blot Date: 5/20/2013

Antibody used: CS-49

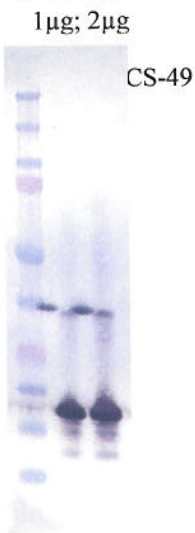
Notebook and page(s): RH Protein #1 p.113

Mass Spectrometry information/file (if applicable): n/a

QC Gel:



QC Western:



Aliquot Information:

60x100ug; 1x~80ug

Kalvin H. Hill 5/22/13
(Research Associate) (date)

[Signature] 5/22/2013
(Laboratory Supervisor) (date)