

α -Crystallin (Gene Rv2031c), Purified Native Protein from *Mycobacterium tuberculosis*, Strain H37Rv**Catalog No. NR-59577**

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Product Description:

NR-59577 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: 70062352**Manufacturing Date: 30OCT2023**

Production and QC testing were performed by Colorado State University (CSU). The CSU production documentation for lot 23.Rv.10.30.16kDa is attached.

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WORK SHEET FOR PURIFIED NATIVE PROTIENS

General Information

BEI Catalog Number: NR-59577

Product Description: Purified 16kDa Protein (HspX, alpha-crystallin, Rv2031c)

CSU Lot Number: 23.Rv.10.30.16kDa

Species: Mycobacterium tuberculosis

Strain: H37Rv

Purification Information

Starting material (lot #): Pooled batches of 16kDa in need of further purification from original CSU lot 11.Rv.2.5.2.6.WCg. See additional notes below.

Starting material (select one):

CFP: Filter Sterilized N/A

Cells: Irradiated Yes

Viability Test Performed: No Viable Organism Detected

Protocol used (SOP #): PP023.6, PP039.1

Date started: 10/2/23

Date completed: 10/30/23

Notebook; pages Kieran Broder (KB) BEI #3 pgs: 21, 22, 24-26, 28-30, 32, 35, Megan Stookey (MS) #4 pgs 5-9.

Additional notes (if applicable): Starting material detailed in notebook KB BEI #3 pg 21. Pool 1: "16kDa Starting Material" was 50 mg and produced 9/20/13 by SM/RH. Pool 2 "16 kDa Starting Mateiral" was 50 mg and produced 3/18/13 by SM/RH. Pool 4: "16kDa Rotofor" was 50 mg, produced 4/23/12 by SM/AW. Pools 1, 2, and 4 were combined and used as starting material for this protocol.

Quality Control Information

Clarity of product/suspension after dialysis: Clear

BCA: 0.227 mg/mL

Total protein: 3.23 mg

Silver stain date: 10/30/23

Western blot date: 10/30/23 Antibody used: CS-49

Amount Loaded on gels: 2 µg

Notebook and page(s): MS #4 pg 9

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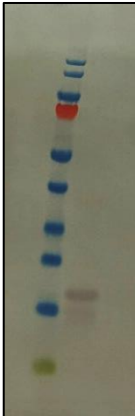
Notebook and page(s): MS #4 pg 9

QC Gel and Blot:

Silver Stain



CS-49



Aliquot Information

32 x 0.1 mg aliquots

1 x 0.03 mg aliquot

*Aliquot information reflects those made at the time of QC. Bulk aliquots will be broken down as needed.


Research Associate

11/28/2023

Date


Laboratory Supervisor

11/28/2023

Date