

ML0380/GroES Recombinant Protein from *Mycobacterium leprae***Catalog No. NR-19336**

This reagent is the tangible property of the U.S. Government.

Product Description: NR-19336 is a recombinant form of the chaperonin protein (ML0380/GroES) [also known as major cytoplasmic protein (MCP)] from *Mycobacterium leprae*. The recombinant His-tagged protein was expressed in *Escherichia coli*, strain BL21 and purified using standard chromatographic techniques followed by endotoxin removal procedures. NR-19336 has a molecular weight of approximately 10 kDa.

Lot: 60708327**Manufacturing Date: 17JULY2011**

QC testing was performed by Colorado State University under the Leprosy Research Support Contract (NIH). The Colorado State University documentation for lot ML0380.JNK.07.17.11 is attached.

ATCC[®], 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[®]'s knowledge.

ATCC[®] is a trademark of the American Type Culture Collection.
You are authorized to use this product for research use only. It is not intended for human use.



QC SHEET FOR RECOMBINANT PROTEIN ML0380 (GroES)

General Information

Product Lot Number: ML0380.JNK.07.17.11

Species: *Mycobacterium leprae*
Strain: N/A

Recombinant Protein Expression

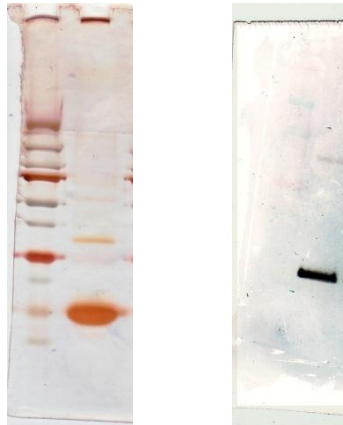
Host strain for protein expression: *E. coli* BL21
Culture type: Fermenter Culture medium: Hyperbroth, 50 µg/ml kanamycin
IPTG concentration: 0.5 mM Time and temperature: 25°C, overnight
Method of cell lysis: sonication Protein present in: soluble lysate
Notebook pages: JK Book#2 pg 27-35

Quality Control Information

Notebook and page(s): JK Book#2pg 36-37,69
Total amount of Protein: 93.5 mg LPS: 7.5 ng/mg
Silver Stain Date: 10/20/11 Western blot: 2µg recombinant ML0380 probed with CS-01 serum raised mouse monoclonal antibody against ML0380, 1:20 dilution

QC Gel and Western blot:

mw



silver stain mouse anti-GroES

Aliquot Information: 187 vials x 0.5 mg, lyophilized

Jade Kuhl
Produced by (07/17/11)

John A. Spencer
Lab Supervisor (7/17/11)