

GroES (Gene Rv3418c), Purified Native Protein from *Mycobacterium tuberculosis*, Strain H37Rv

Catalog No. NR-14861

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Contributor:

BEI Resources or NIH - TB Vaccine Testing and Research Materials Contract

Manufacturer:

Karen Dobos, Ph.D., Colorado State University, Fort Collins, Colorado, USA and NIH - TB Vaccine Testing and Research Materials Contract

Product Description:

NR-14861 is a preparation of the GroES (Gene Rv3418c) purified native proteins from the culture filtrate of *Mycobacterium tuberculosis*, strain H37Rv. A supernatant from a 40% saturated ammonium sulfate precipitation of culture filtrate proteins were precipitated with 70% saturated ammonium sulfate. The pellet was suspended and dialyzed. The material that did not bind to the concanavalin A column was resolved by reversed phase HPLC and the fractions containing GroES homologue were pooled and lyophilized.

Material Provided:

Each vial contains approximately 500 µg of lyophilized, purified GroES in 10 mM ammonium bicarbonate.

Note: NR-14861 is soluble in 100 mM to 500 mM aqueous buffered salt solutions, such as phosphate buffered saline. A 10 mM ammonium bicarbonate solution can also be used.

Packaging/Storage:

NR-14861 was packaged aseptically in cryovials. The product is provided frozen on dry ice and should be stored at -80°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: GroES (Gene Rv3418c), Purified Native Protein from *Mycobacterium tuberculosis*, Strain H37Rv, NR-14861."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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References:

1. MycoBrowser: [Rv3418c](#)

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