

Ag85B (Gene Rv1886c), Purified Native Protein from *Mycobacterium tuberculosis*, Strain H37Rv

Catalog No. NR-53526

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Contributor:

BEI Resources

Manufacturer:

Karen Dobos, Ph.D., Colorado State University, Fort Collins, Colorado, USA

Product Description:

NR-53526 is a preparation of Antigen 85B (Ag85B) protein derived from the culture filtrate proteins of *Mycobacterium tuberculosis*, strain H37Rv.

The culture filtrate proteins were precipitated with 40% ammonium sulfate. The precipitate was suspended and applied to phenyl sepharose HPLC. Antigen 85 (Ag85) was obtained by increasing the pH and eluting with a high concentration of ethylene glycol. Fractionation of the Ag85 complex was performed by size exclusion chromatography to yield the Ag85B component. The purified product was dialyzed against 10 mM ammonium bicarbonate.

Material Provided:

Each vial contains approximately 100 µg of lyophilized, purified Ag85B from *Mycobacterium tuberculosis*, strain H37Rv in 10 mM ammonium bicarbonate.

Note: NR-53526 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-53526 was packaged aseptically in cryovials. The product is provided frozen on blue 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: Ag85B (Gene Rv1886c), Purified Native Protein from *Mycobacterium tuberculosis*, Strain H37Rv, NR-53526."

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/bmb15/index.htm.

Disclaimers:

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References:

1. MycoBrowser: [Rv1886c](#)
2. Belisle, J. T., et al. "Role of the Major Antigen of *Mycobacterium tuberculosis* in Cell Wall Biogenesis." *Science* 276 (1997): 1420-1422. PubMed: 9162010.
3. Wiker, H. G. and M. Harboe. "The Antigen 85 Complex: A Major Secretion Product of *Mycobacterium tuberculosis*." *Microbiol. Rev.* 56 (1992): 648-661. PubMed: 1480113.

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