



NIH AIDS Reagent Program

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DATA SHEET

Reagent: *Mycobacterium bovis* (BCG) His-Ag85C Protein

Catalog Number: 3206

Lot Number: 1

Release Category: A

Provided: 50 µg lyophilized protein. When reconstituted in 100 ml distilled water, each vial contains 0.5 mg/ml His-Ag85C in 3.0 mM sodium bicarbonate (pH 8.5).

Special Characteristics: Genomic DNA encoding the Ag85C gene (mature protein sequence) was cloned into a bacterial expression vector containing the PL promoter and CII RBS. The recombinant antigen was expressed in *E. coli* strain 4300 as an amino terminus fusion protein containing the leader sequence Met (His)₆ Gly Thr (Asp)₄ Lys Gly. Production System: Purified from *E. coli* inclusion bodies under denaturing conditions. Purified by nickel-affinity gel, followed by phenyl-sepharose and DEAE-cellulose chromatography. Dialyzed under refolding/reoxidizing conditions, and lyophilized from a solution containing 6.0 mM sodium bicarbonate per mg protein. Molecular Weight: Approximately 33,500. Purity: Approximately 95% pure.

Recommended Storage: -70°C.

Contributor: Division of AIDS, NIAID. Produced by Biotechnology General.

NOTE: Acknowledgement for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, DAIDS, NIAID, NIH: *Mycobacterium bovis* (BCG) His-Ag85C Protein."

Last Updated: June 21, 2013

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.