

# Recombinant Mycobacterium Tuberculosis major secretory protein Antigen 85B

Cat. No. CDA067P Lot. No. (See product label)

## SPECIFICATION

### Product Overview

Recombinant Ag85B His-Tag fusion protein produced in E.Coli is a single, non-glycosylated polypeptide chain having a molecular mass of 30 kDa.

### Species

Mycobacterium Tuberculosis

### Source

E.coli

### Description

Antigen 85B Mycobacterium Tuberculosis- is the most abundant protein exposed by M. Tuberculosis, as well as a potent immunoprotective antigen and a leading drug target. Ag85 induces strong T-cell proliferation and IFN-g secretion in most healthy individuals exposed to M. tuberculosis, in BCG-vaccinated mice and humans, whereas the antibody against Ag85 are more prevalent in active tuberculosis patients with decreased cellular immune response.

### Physical Appearance

Sterile Filtered lyophilized powder

### Purity

Greater than 90.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

### Formulation

The protein was lyophilized with no additives.

### Solubility

It is recommended to reconstitute the lyophilized Antigen-85B in sterile 18MΩ-cm H<sub>2</sub>O not less than 100g/ml, which can then be further diluted to other aqueous solutions.

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**Storage**

Ag85B although stable room temperature for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**GENE INFORMATION**

**Synonyms**

Antigen 85B; Mycobacterium Tuberculosis major secretory protein Antigen 85B.

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