

## Mycobacterium tuberculosis major secretory 85B - Purified

**Catalog No.:** AR10502PU-S

**Quantity:** 2 µg

**Background:** 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-γ 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.

**Uniprot ID:** [P0C5B9](#)

**NCBI:** [NP\\_216402.1](#)

**GeneID:** [885785](#)

**Source:** E. coli

**Format:** **State:** Sterile Filtered lyophilized powder without additives  
**Purity:** >90.0% as determined by both RP-HPLC and SDS-PAGE analysis  
**Reconstitution:** Restore in sterile 18MΩ·cm<sup>-1</sup> H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Description:** Recombinant Mycobacterium tuberculosis major secretory 85B His-Tag fusion protein produced in *E.coli* is a single, non-glycosylated polypeptide.

**Molecular weight:** 30 kDa

**Storage:** Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.  
For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).  
Avoid repeated freezing and thawing.  
Shelf life: one year from despatch.