Recombinant Mycobacterium Tuberculosis Major Secretory Protein Antigen 85B His

Catalog No.	CSI13529A	**Quantity:**	2 µg
	CSI13529B		10 µg
	CSI13529C		100 µg

Alternate Names: Antigen 85-B, 85B, Extracellular alpha-antigen, Antigen 85 complex B, Ag85B, Mycolyl transferase 85B, EC 2.3.1.-, Fibronectin-binding protein B, 30 kDa extracellular protein, fbpB, A85B, Major Secretory Protein Antigen 85B.

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.
Ag85B Recombinant His-Tag fusion protein (1-325 a.a.) produced in E.Coli is a single, non-glycosylated polypeptide chain having a molecular mass of 30kDa.

Physical Appearance: Sterile Filtered and lyophilized, though might appear as a solution as a result of the glycerol content.

Source: *E. coli*

Molecular Weight: 30 kDa

Formulation: Lyophilized with 0.1% glycerol.

Purity: > 90.0% as determined by RP-HPLC and SDS-PAGE analyses

Endotoxin Level: < 0.1 ng/µg of Ag85B

Reconstitution: **Centrifuge vial prior to opening**. First add sterile water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.

Storage & Stability: 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 note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.

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