



## Product Datasheet

<b>Product Name</b>	Mycobacterium Tuberculosis major secretory protein Antigen 85B Recombinant
<b>Cata No</b>	CB501120
<b>Source</b>	<i>Escherichia Coli</i> .
<b>Synonyms</b>	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 produced in E.Coli is a single, non-glycosylated polypeptide chain having a molecular mass of 30 kDa.

### 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.

### Reconstitution

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

### 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 prevent freeze-thaw cycles.**