

---

## Product Data Sheet

---

Product Name: Ag85B  
 Cat. No.: GP22687  
 Batch No.: 1

**Product Data**

Purity >98% Source  
 Physical Appearance solid Shipping Condition

Synonyms Antigen 85-B; 85B; Extracellular alpha-antigen; Antigen 85 complex B; Ag85B; Mycolyl transferase 85B; EC 2.3.1.-; Fibronectin-binc

Amino Acid Sequence MRGSHHHHHHFSRPLPVEYLQVPSMGRDIKVFQSGGNNSPAVYLLDGLRAQDDYNGWDINTPAFEWYYQSGLSIVMPVGGQSSFYSDWYSPA

Solubility It is recommended to reconstitute the lyophilized Antigen-85B in sterile 18MQ-cm H2O not less than 100µg/ml, which can then be f  
 Formulation Lyophilized with 0.1% glycerol.

**Introduction**

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.

**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.

**Background**

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---