

## 32-3165: Ag85B Recombinant Protein

**Alternative Name :** 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

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

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.  
**Content :** Lyophilized with 0.1% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MRGSHHHHHHFSRPGLPVEYLQVPSPSMGRDIKVFQSGGNNSPAVYLLDGLRAQDDYNGWDINTPAFEWY YQSGLSIVMPVGGQSSFYSDWYSPACGKAGCQTYKWETFLTSELPQWLSANRAVKPTGSAAGLSMAGSSAMI LAAYHPQQFIYAGSLSALLDPSQGMGPSLIGLAMGDAGGYKAADMWGPSSDPAWERNDPTQQIPKLVANTR LWVYCGNGTPNELGGANIPAEFLENFVRSSNLKFQDAYNAAGGHNAVFNFPPNGTHSWEYWGAQLNAMKGD LQSSLGAG.

### Application Note

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.