Product datasheet

**Recombinant Mycobacterium tuberculosis Ag85B protein ab83471**

### Overview

**Product name**  Recombinant Mycobacterium tuberculosis Ag85B protein  
**Protein length**  Full length protein

### Description

| Nature | Recombinant  
| Source | Escherichia coli |

#### Amino Acid Sequence

**Sequence**

MTDVSRKIRA WGRRLMIGTA AAVVLPGLVG LAGGAATAGA FSRPQLPVEY LQVPSPSMGR DIKVQFQSGG NNSPAVYLLD GLRAQDDYNF WDINTPAFEW YQGSGLSMVM PVGGQSSFYS DWYSPACGKA GCTQWKETF LSelpoWLS ANRAVKPTGS AAILGSMAGS SAMILAAYHP QQPYIYGSLSD ALDPSQGMP SDLGLAMGD AGGYKAAADMW GPPSDFPAWERN QDPTQIQPKL VANNTRLWVY CGNTPNELG GANIPAEFLE NFVRSSSLKF QDAYNAAGGH NAVFNFPPNG THSWEYWGAEQ LNAMKGDLOQ SLGAG

**Molecular weight** 30 kDa

### Specifications

Our Abpromise guarantee covers the use of **ab83471** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

#### Applications

SDS-PAGE

#### Purity

> 90 % SDS-PAGE.  
Endotoxin Tested

#### Form

Lyophilised

### Preparation and Storage
Stability and Storage
Shipped on Dry Ice. Store at -80°C.
pH: 7.50
Constituents: 0.24% Monobasic dihydrogen sodium phosphate, 0.284% Dibasic monohydrogen sodium phosphate, 0.328% Sodium phosphate, 10% Glycerol, 2.9% Sodium chloride

Reconstitution
ab83471 should be reconstituted in apirogenic water or PBS and has to be used immediately

General Info

Relevance
Antigen 85B is the most abundant protein expressed by Mycobacterium tuberculosis (about one quarter). It is a mycolyl transferase in the myc pathway and catalyses - like Ag85A and Ag85C - the transfer of the fatty acid mycolate from one trehalose monomycolate to another, resulting in trehalose dimycolate and free trehalose and helping build the cell wall.

Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES”

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