

Product datasheet for **AR50314PU-S**

Ag85A (*M. tuberculosis*) / fbpA (43-338, His-tag) High Gc Gram+ Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Ag85A (<i>M. tuberculosis</i>) / fbpA (43-338, His-tag) recombinant protein, 50 µg
Species:	High Gc Gram+
Expression cDNA Clone or AA Sequence:	ADPAFSRPGL PVEYLQVPSP SMGRDIKVFQ QSGGANSPAL YLLDGLRAQD DFSGWDINTP AFEWYDQSG LSVMPVGGQS SFYSDWYQPA CGKAGCQTYK WETFLTSELP GWLQANRHVK PTGSAVVGLS MAASSALTLA IYHPQQFVYA GAMSGLLDPS QAMGPTLIGL AMGDAGGYKA SDMWGPKEDP AWQRNDPLL N VGKLIANNTR VVWYCGNGKP SDLGGNNLPA KFLEGFVRTS NIKFQDAYNA GGGHNGVDFD PDSGTHSWEY WGAQLNAMKP DLQRALGATP NTGPAPQGAH HHHHH
Tag:	His-tag
Predicted MW:	32.8 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant Mycobacterium tuberculosis Antigen 85A protein, fused to His-tag at C-terminus, was expressed in Hi-5 cell and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Summary:	Antigen 85A, belong to the antigen 85 complex (Antigen 85A, B, C). The enzymes of the antigen 85 complex possess mycolyltransferase activity and catalyze the synthesis of the most abundant glycolipid of the mycobacterial cell wall, the cord factor. The cord factor (trehalose 6,6'-dimycolate, TDM) is essential for the integrity of the mycobacterial cell wall and pathogenesis of the bacillus. TDM is synthesized from two molecules of trehalose-6'-monomycolate (TMM) by Antigen 85A.



[View online »](#)

Product images:

