

Antigen 85A Recombinant Protein | fbpA recombinant protein

Antigen 85A, 43-338aa, Mycobacterium tuberculosis, His tag, Baculovirus

CATALOG # AAA48708	HOST Baculovirus	APPLICATIONS SDS-Page
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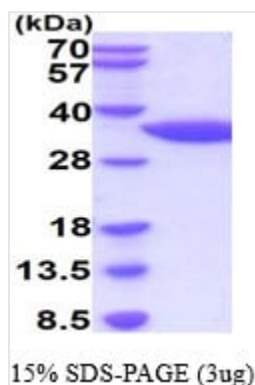
PRODUCT SYNONYMS

Antigen 85A; 43-338aa; Mycobacterium tuberculosis; His tag; Baculovirus; Antigen 85 complex A; Mycolyltransferase 85A; Fibronectin-binding protein A; TB Ab85A; TBab85A; fbpA recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing, 10% glycerol
Concentration	0.5 mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence	ADPAFSRPG L PVEYLQVPSP SMGRDIKVQF QSGGANSPAL YLLDGLRAQD DFSGWDINTP AFEWYDQSGL SVVMPVGGQS SFYSDWYQPA CGKAGCQTYK WETFLTSELP GWLQANRHKV PTGSAVVGLS MAASSALT LA IYHPQQFVYA GAMSGLLDPS QAMGPTLIGL AMGDAGGYKA SDMWGPKEDP AWQRNDPLLN VGKLIANNTR VWVYCGNGKP SDLGGNNLPA KFLEGFVRTS NIKFQDAYNA GGGHNGVFDF PDSGTHSWEY WGAQLNAMKP DLQRALGATP NTGPAPQGAH HHHHH
Sequence Length	338
Applicable Applications for fbpA recombinant protein	SDS-PAGE
Antigen Species	Mycobacterium tuberculosis
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for fbpA recombinant protein	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. 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.
References	Elamin AA., et al. (2009) J Microbiol Methods. 79 (3):358-63.; Jeon BY., et al. (2011) Microbes Infect. 13 (3):284-90.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15610940
NCBI GeneID	886132
NCBI Accession #	NP_218321.1
NCBI GenBank Nucleotide #	NC_000962.3
Molecular Weight	32.8kDa (305aa)
NCBI Official Full Name	diacylglycerol acyltransferase/mycolyltransferase Ag85A
NCBI Official Symbol	fbpA
NCBI Official Synonym Symbols	85A; mpt44
NCBI Protein Information	diacylglycerol acyltransferase/mycolyltransferase Ag85A
UniProt Protein Name	Diacylglycerol acyltransferase/mycolyltransferase Ag85A
UniProt Gene Name	fbpA
UniProt Synonym Gene Names	mpt44; DGAT; 85A; Ag85A; Fbps A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/fbpa-recombinant-protein-baculovirus-sds-page/48708>