

# Recombinant Mycobacterium tuberculosis Antigen 85-A protein

Catalog Number: CSB-RP182794Ba



<b>Product Name:</b>	Recombinant Mycobacterium tuberculosis Antigen 85-A protein
<b>Alternative names:</b>	Antigen 85 complex A
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<b>Relevance :</b>	The antigen 85 proteins (FbpA, FbpB, FbpC) are responsible for the high affinity of mycobacteria for fibronectin, a large adhesive glycoprotein, which facilitates the attachment of M.tuberculosis to murine alveolar macrophages (AMs). They also help to maintain the integrity of the cell wall by catalyzing the transfer of mycolic acids to cell wall arabinogalactan, and through the synthesis of alpha,alpha-trehalose dimycolate (TDM, cord factor). They catalyze the transfer of a mycoloyl residue from one molecule of alpha,alpha-trehalose monomycolate (TMM) to another TMM, leading to the formation of TDM. FbpA mediates triacylglycerol (TAG) formation with long-chain acyl-CoA as the acyl donor and 1,2-dipalmitoyl-sn-glycerol (1,2-dipalmitin) as the acyl acceptor. It has a preference for C26:0-CoA over C18:1-CoA.
<b>Mol weight :</b>	35kd
<b>Product Info :</b>	His-tagged
<b>Source:</b>	E.coli derived
<b>Image:</b>	
<b>Purity:</b>	>90%(SDS-PAGE)
<b>Storage Buffer:</b>	20mM Tris-HCl,0.5M Arg,pH 8.0,50% glycerol
<b>Storage :</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Notes :</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>AA sequence:</b>	YLQVPSPSMGRDIKVQFQSGGANSPALYLLDGLRAQDDFSGWDINTPAFEWYDQSGLSVVM PVGGQSSFYSDWYQPACGKAGCQTYKWETFLTSELPGWLQANRHVKPTGSAVVGLSMAA SSALTLAIYHPQQFVYAGAMSGLLDPSQAMGPTLIGLAMGDAGGYKASDMWGPKEPAWQ RNDPLLNVGKLIANNTRVWVYCGNGKPSDLGGNNLPAKFLEGFVRTSNIKFQDAYNAGGGH NGVDFPDSGTHSWEYWGAQLNAMKPDQLRALGATPNT
<b>References:</b>	"Cloning, sequence determination, and expression of a 32-kilodalton-protein gene of Mycobacterium tuberculosis." Borremans M., de Wit L., Volckaert G., Ooms J., de Bruyn J., Huygen K., van Vooren J.P., Stelandre M., Verhofstadt R., Content J. Infect. Immun. 57:3123-3130(1989)