



# Recombinant Mycobacterium tuberculosis

## Diacylglycerol acyltransferase/mycolyltransferase

### Ag85C (fbpC)

<b>Product Code</b>	CSB-EP363614MVZ
<b>Relevance</b>	The antigen 85 proteins (FbpA, FbpB, FbpC) are responsible for the high affinity of mycobacteria to 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
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P9WQN8
<b>Alias</b>	Acyl-CoA:diacylglycerol acyltransferase Antigen 85 complex C Short name: 85C Short name: Ag85C Fibronectin-binding protein C Short name: Fbps C
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mycobacterium tuberculosis (strain CDC 1551 / Oshkosh)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	AFSRPGLPVEYLQVPSASMGRDIKVQFQGGGPHAVYLLDGLRAQDDYNGWDI NTPAFEEYYQSGLSVIMPVGGQSSFYTDWYQPSQSNQNYTYKWETFLTRE MPAWLQANKGVSPGTGNAAVGLSMSSGGSALILAAAYYPQQFPYAASLSGFLNPS EGWWPTLIGLAMNDSGGYNANSMWGPSSDPAWKRNDPMVQIPRLVANNTRI WVYCGNGTPSDLGGDNIPAKFLEGLTLRTNQTFRDYAADGGRNGVFNFPPN GTHSWPYWNEQLVAMKADIQHVLNGATPPAAPAAPAA
<b>Lead Time</b>	3-7 business days
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Gene Names</b>	fbpC
<b>Expression Region</b>	46-340aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	36.1kDa

