



Recombinant Mycobacterium tuberculosis Diacylglycerol acyltransferase/mycolyltransferase Ag85A (fbpA), partial

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| Product Code | CSB-EP358584MVZ1 |
| Relevance | 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 (By similarity). |
| Abbreviation | Recombinant Mycobacterium tuberculosis fbpA protein, partial |
| Storage | 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. |
| Uniprot No. | P9WQP2 |
| Product Type | Recombinant Proteins |
| Immunogen Species | Mycobacterium tuberculosis (strain CDC 1551 / Oshkosh) |
| Purity | ≥ 90% as determined by SDS-PAGE. |
| Sequence | YLQVPSPSMGRDIKVQFQSGGANSPALYLLDGLRAQDDFSGWDINTPAFEWY DQSGLSVVMPVGGQSSFYSDWYQPACGKAGCQTYKWETFLTSELPGWLQA NRHVKPTGSAVVGLSMAASSALTLAIYHPQQFVYAGAMSGLLDPSQAMGPTLI GLAMGDAGGYKASDMWGPKEPAWQRNDPLLNVGKLIANNTRVWVYCGNG KPSDLGGNNLPAKFLEGFVRTSNIKFQDAYNAGGGHNGVDFDFPDSGTHSWEY WGAQLNAMKPDQLQRALGATPNT |
| Research Area | Others |
| Source | E.coli |
| Target Names | fbpA |
| Expression Region | 53-331aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal 6xHis-tagged |
| Mol. Weight | 34.1kDa |

