Recombinant M. tuberculosis Diacylglycerol acyltransferase/mycolyltransferase Ag85C Protein, His-tagged

Cat. No. fbpC-1208M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mycobacterium tuberculosis (strain CDC 1551 / Oshkosh) Diacylglycerol acyltransferase/mycolyltransferase Ag85C protein (46-340aa) was expressed in E. coli with N-terminal his tag.
Species	M.tuberculosis
Source	E.coli
ProteinLength	46-340 a.a.
Description	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 (By similarity).
Form	Tris-based buffer, 50% glycerol.
Molecular Mass	36.1 kDa
AA Sequence	AFSRPGLPVEYLQVPSASMGRDIKVQFQGGGPHAVYLLDGLRAQDDYNGWDINTP

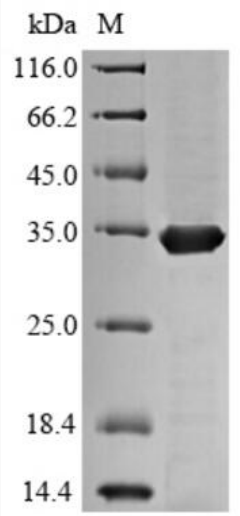
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	AFEEYYQSGLSVIMPVGGQSSFYTDWYQPSQSNGQNYTYKWETFLTREMPAWLQ ANKGVSPTGNAAVGLSMSGGSALILAAYYPQQFPYAASLSGFLNPSEGWWPTLIGL AMNDSGGYNANSMWGPSSDPAWKRNDPMVQIPRLVANNTRIWVYCGNGTPSDLG GDNIPAKFLEGLTLRTNQTFRDTYAADGGRNGVFNFPPNGTHSWPYWNEQLVAMK ADIQHVLNGATPPAAPAAPAA
Purity	Greater than 90% as determined by SDS-PAGE.
Storage	The shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

GENE INFORMATION

Gene Name	Diacylglycerol acyltransferase/mycolyltransferase Ag85C
Official Symbol	Diacylglycerol acyltransferase/mycolyltransferase Ag85C
Synonyms	Diacylglycerol acyltransferase/mycolyltransferase Ag85C; EC 2.3.1.122; EC 2.3.1.20; DGAT; Acyl-CoA:diacylglycerol acyltransferase; Antigen 85 complex C; 85C; Ag85C; Fibronectin-binding protein C; Fbps C
UniProt ID	P9WQN8

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