

Diacylglycerol acyltransferase/mycolyltransferase Ag85C (fbpC) Recombinant Protein | fbpC recombinant protein

Recombinant Mycobacterium tuberculosis Diacylglycerol acyltransferase/mycolyltransferase Ag85C (fbpC)

CATALOG # AAA18597	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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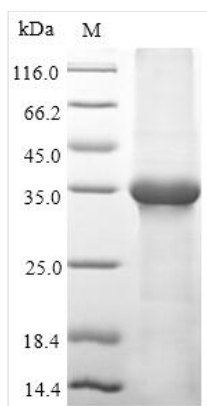
PRODUCT SYNONYMS

Diacylglycerol acyltransferase/mycolyltransferase Ag85C (fbpC); Recombinant Mycobacterium tuberculosis Diacylglycerol acyltransferase/mycolyltransferase Ag85C (fbpC); Acyl-CoA:diacylglycerol acyltransferase; Antigen 85 complex C; 85C; Ag85C; Fibronectin-binding protein C; Fbps C; fbpC recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	46-340aa; Full Length of Mature Protein
Sequence	AFSRPGLPVE YLQVPSASMG RDIKVQFQGG GPHAVYLLDG LRAQDDYNGW DINTPAFEEY YQSGLSVIMP VGGQSSFYTD WYQPSQSNQG NYTYKWETFL TREMPAWLQA NKGVSPTGNA AVGLSMMSGGS ALILAAYYPQ QFPYAASLSG FLNPSEGWWP TLIGLAMNDS GGYNANSMWG PSSDPAWKRN DPMVQIPRLV ANNTRIWVYC NGGTPSDLGG DNIPAKFLEG LTLRTNQTFR DTAAADGGRN GVFNFPNGT HSWPYWNEQL VAMKADIQHV LNGATPPAAP AAPAA
Species	Mycobacterium tuberculosis (strain CDC 1551 / Oshkosh)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for fbpC recombinant protein	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
References	"Whole-genome comparison of Mycobacterium tuberculosis clinical and laboratory strains." Fleischmann R.D., Alland D., Eisen J.A., Carpenter L., White O., Peterson J.D., DeBoy R.T., Dodson R.J., Gwinn M.L., Haft D.H., Hickey E.K., Kolonay J.F., Nelson W.C., Umayam L.A., Ermolaeva M.D., Salzberg S.L., Delcher A., Utterback T.R. Fraser C.M. J. Bacteriol. 184:5479-5490(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	489495992
NCBI Accession #	WP_003400908.1
NCBI GenBank Nucleotide #	WP_003400908.1
UniProt Accession #	P9WQN8; P0A4V4; P31953; P96806; LOT2K1
Molecular Weight	36.1 kDa
NCBI Official Full Name	MULTISPECIES: diacylglycerol acyltransferase
UniProt Protein Name	Diacylglycerol acyltransferase/mycolyltransferase Ag85C
UniProt Gene Name	fbpC
UniProt Synonym Gene Names	mpt45; DGAT; 85C; Ag85C; Fbps C
UniProt Entry Name	A85C_MYCTO

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.