

Mycobacterium Tuberculosis major secretory protein Antigen 85A Recombinant Protein | Ag85A recombinant protein

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CATALOG #
AAA38935

PRODUCT SYNONYMS

Mycobacterium Tuberculosis major secretory protein Antigen 85A; Recombinant Mycobacterium Tuberculosis major secretory protein Antigen 85A; Ronectin-binding protein A; Mycolyl transferase 85A.; Ag85A recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	The Ag85A solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol. Sterile Filtered colorless solution.
Sequence	<u>ADPAFSRPLPVE YLQVPSPSMG RDIKVQFQSG GANSPALYLL DGLRAQDDFS GWDINTPAFE WYDQSGLSVV</u> MPVGGQSSFY SDWYQPACGK AGCQTYKWET FLTSELPGLW QANRHVKPTG SAVVGLSMAA SSALTIAIYH PQQFVYAGAM SGLLDPSQAM GPTLIGLAMG DAGGYKASDM WGPKEPAWQ RNDPLLNVGK LIANNTRVWV YCGNGKPSDL GGNNLPAKFL EGFVRTSNIK FQDAYNAGGG HNGVDFDPDS GTHSWEYWGA QLNAMKPDQ RALGATPNTG PAPQGAH <u>HHHHH</u> .
Source	Baculovirus
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for Ag85A recombinant protein	Description: Recombinant Mycobacterium tuberculosis Ag85A (43-338 a.a) produced in Hi-5 cells is a single, glycosylated polypeptide chain having a molecular mass of 32.8kDa (305 a.a in total).Antigen 85A is fused to a His tag at C-terminus and purified by conventional chromatographic techniques. Introduction: Antigen 85A is a member of the antigen 85 complex (Antigen 85A, B, C). The enzymes of the antigen 85 complex have mycolyltransferase activity and catalyze the synthesis of the very rich glycolipid of the mycobacterial cell wall, the cord factor (trehalose 6,6'-dimycolate, TDM). The cord factor is vital for the integrity of the mycobacterial cell wall and pathogenesis of the bacillus. TDM is synthesized from two molecules of trehalose-6'-monomycolate (TMM) by Antigen 85A.
Product Categories/Family for Ag85A recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins ; Mycobacterium Tuberculosis major secretory protein Antigen

NCBI AND UNIPROT INFORMATION

NCBI GI #	61217891
NCBI GeneID	922599
UniProt Accession #	P0A4V2

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.

