Recombinant Mycobacterium tuberculosis mpt63 protein, GST & His-tagged

Cat. No. mpt63-898M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	N-terminal GST fusion protein with C-terminal 6xHis tagged antigen Mpt63/MPB63 (Rv1926c) (M. Tuberculosis/H37Rv)(a.a.1-163) (Genbank Accession No. NP_216442). Immunogenic protein identical to MPT63|MPB63 from Mycobacterium bovis (159 aa). Exported protein
Species	Mycobacterium tuberculosis
Source	E.coli
ProteinLength	aa1-163
Description	Mycobacterium tuberculosis is an obligate pathogenic bacterial species in the family Mycobacteriaceae and the causative agent of tuberculosis. First discovered in 1882 by Robert Koch, M. tuberculosis has an unusual, waxy coating on its cell surface primarily due to the presence of mycolic acid. This coating makes the cells impervious to Gram staining, and as a result, M. tuberculosis can appear either Gram-negative or Gram-positive. Acid-fast stains such as Ziehl-Neelsen, or fluorescent stains such as auramine are used instead to identify M. tuberculosis with a microscope. The physiology of M. tuberculosis is highly aerobic and requires high levels of oxygen. Primarily a pathogen of the mammalian respiratory system, it infects the lungs. The most frequently used diagnostic methods for tuberculosis are the tuberculin skin test, acid-fast stain, culture, and polymerase chain reaction.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Form	Each vial contains 100 g of lyophilized protein in PBS with 8M Urea. Reconstitute the protein with 100 µof Millipore water.
Purity	>95%, based on SDS PAGE
Applications	WB standard, antibody ELISA, immunogen, etc.
Storage	Before reconstitution, stable for 1 year at -20°C from the date of shipment. After reconstitution, stable for a month at 4°C. Nonhazardous. No MSDS required.

GENE INFORMATION

Gene Name	mpt63 immunogenic protein Mpt63 [Mycobacterium tuberculosis H37Rv]
Official Symbol	mpt63
Synonyms	mpt63; immunogenic protein Mpt63
Gene ID	885334
Protein Refseq	NP_216442.1
UniProt ID	I6XZB3

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