Recombinant Mycobacterium tuberculosis mpt70 protein, GST & His-tagged

Cat. No. mpt70-900M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	N-terminal GST fusion protein with C-terminal 6xHis tagged antigen Mpt70(Rv2875) (M. Tuberculosis/H37Rv)(a.a.1-197) (Genbank Accession No. NP_217391). Major secreted immunogenic proteinMPT70 precursor (see citations below). Also similar to downstream ORFQ
Species	Mycobacterium tuberculosis
Source	E.coli
ProteinLength	aa1-197
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.

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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	mpt70 major secreted immunogenic protein Mpt70 [Mycobacterium tuberculosis H37Rv]
Official Symbol	mpt70
Synonyms	mpt70; major secreted immunogenic protein Mpt70
Gene ID	887724
Protein Refseq	NP_217391.1
UniProt ID	I6Y1X8

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