Recombinant Mycobacterium tuberculosis MT3413 protein, GST & His-tagged

Cat. No. MT3413-911M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	N-terminal GST fusion protein with C-terminal 6xHis tagged antigen MT3413 (M. Tuberculosis/H37Rv)(a.a.1-107) (Genbank Accession No. NP_337942).
Species	Mycobacterium tuberculosis
Source	E.coli
ProteinLength	aa1-107
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.
Form	Each vial contains 100 μg of lyophilized protein in PBS with 8M Urea. Reconstitute the protein with 107 μl of Millipore water.

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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	MT3413 hypothetical protein [Mycobacterium tuberculosis CDC1551]
Official Symbol	MT3413
Synonyms	MT3413; hypothetical protein
Gene ID	926307
Protein Refseq	NP_337942.1

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